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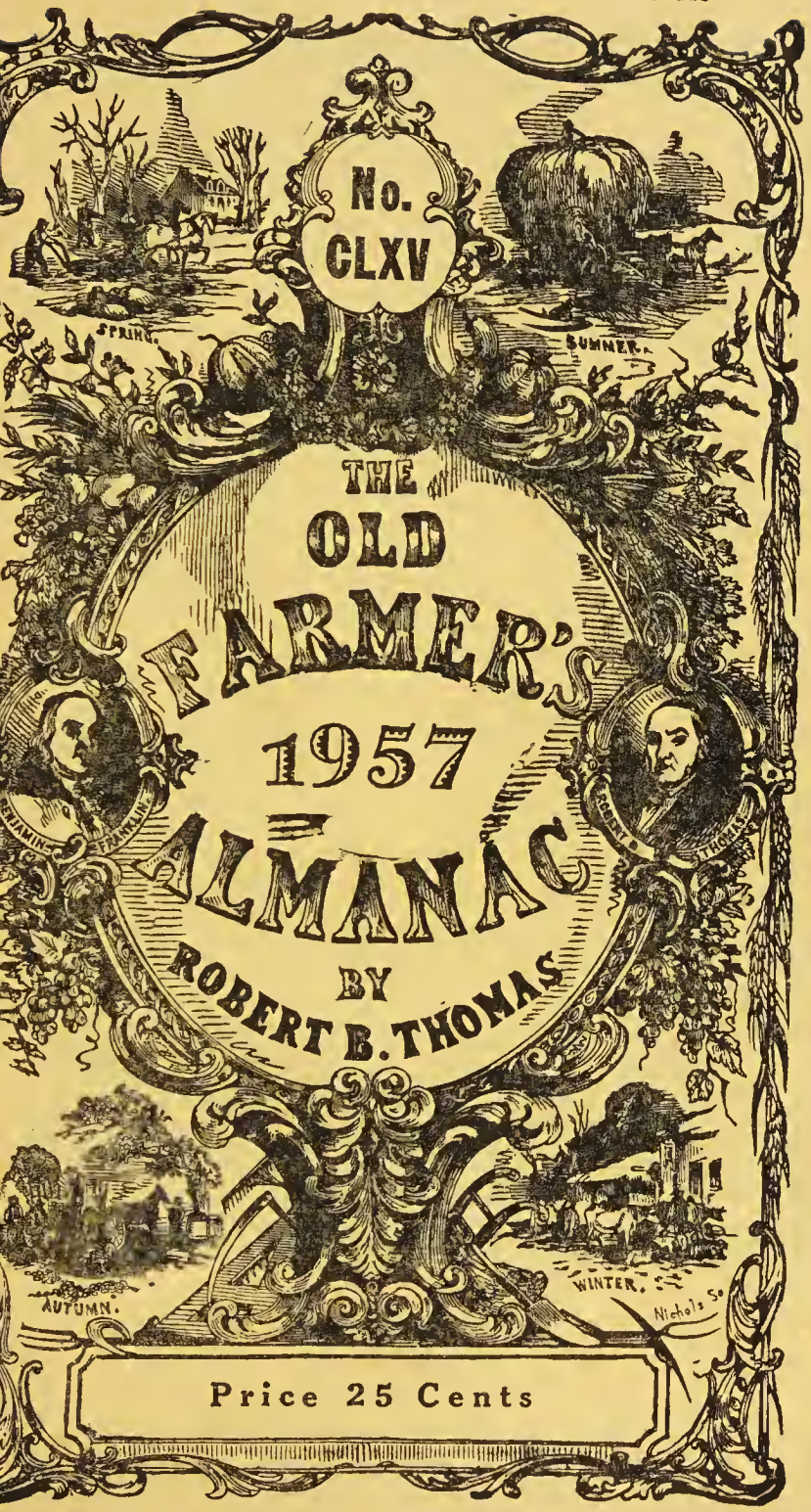


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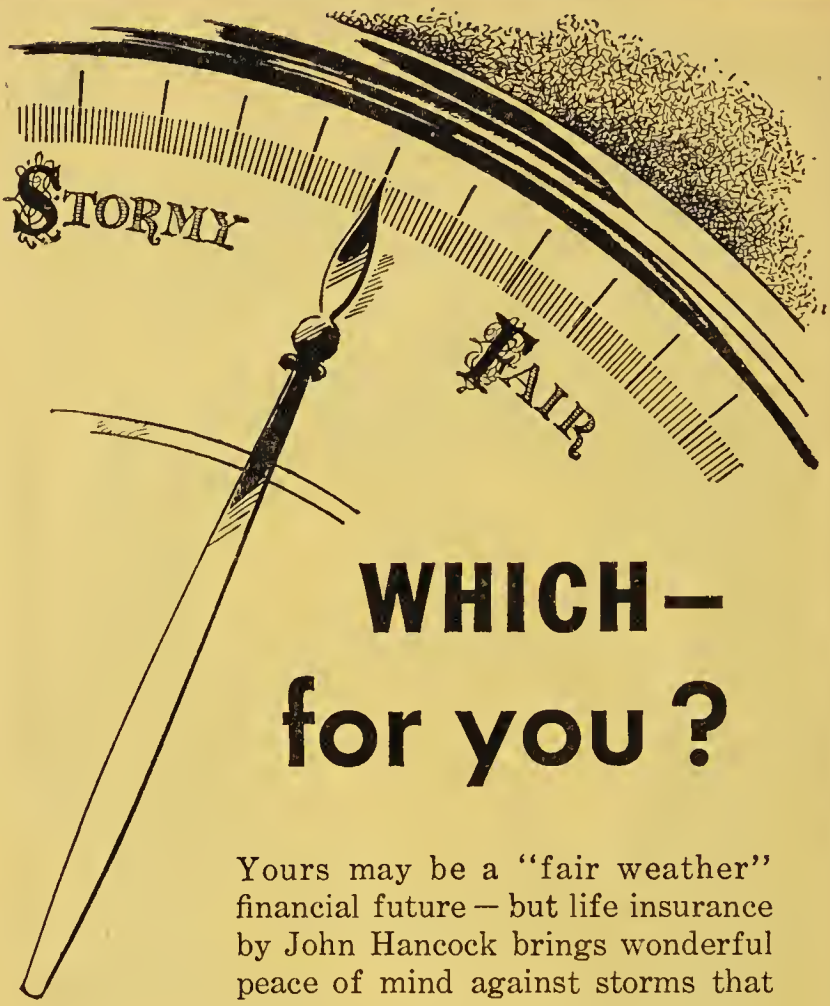


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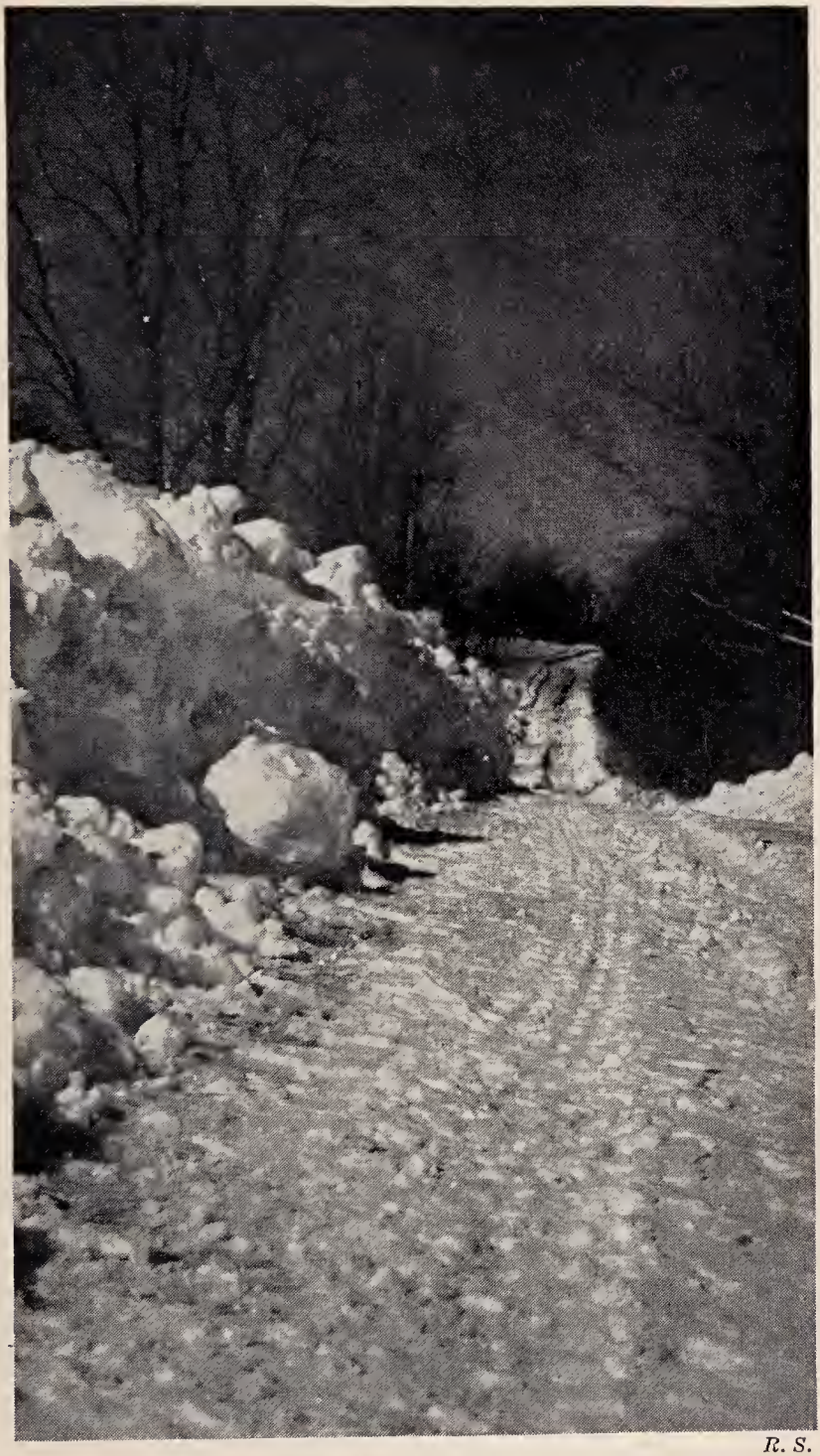
*R. S.*

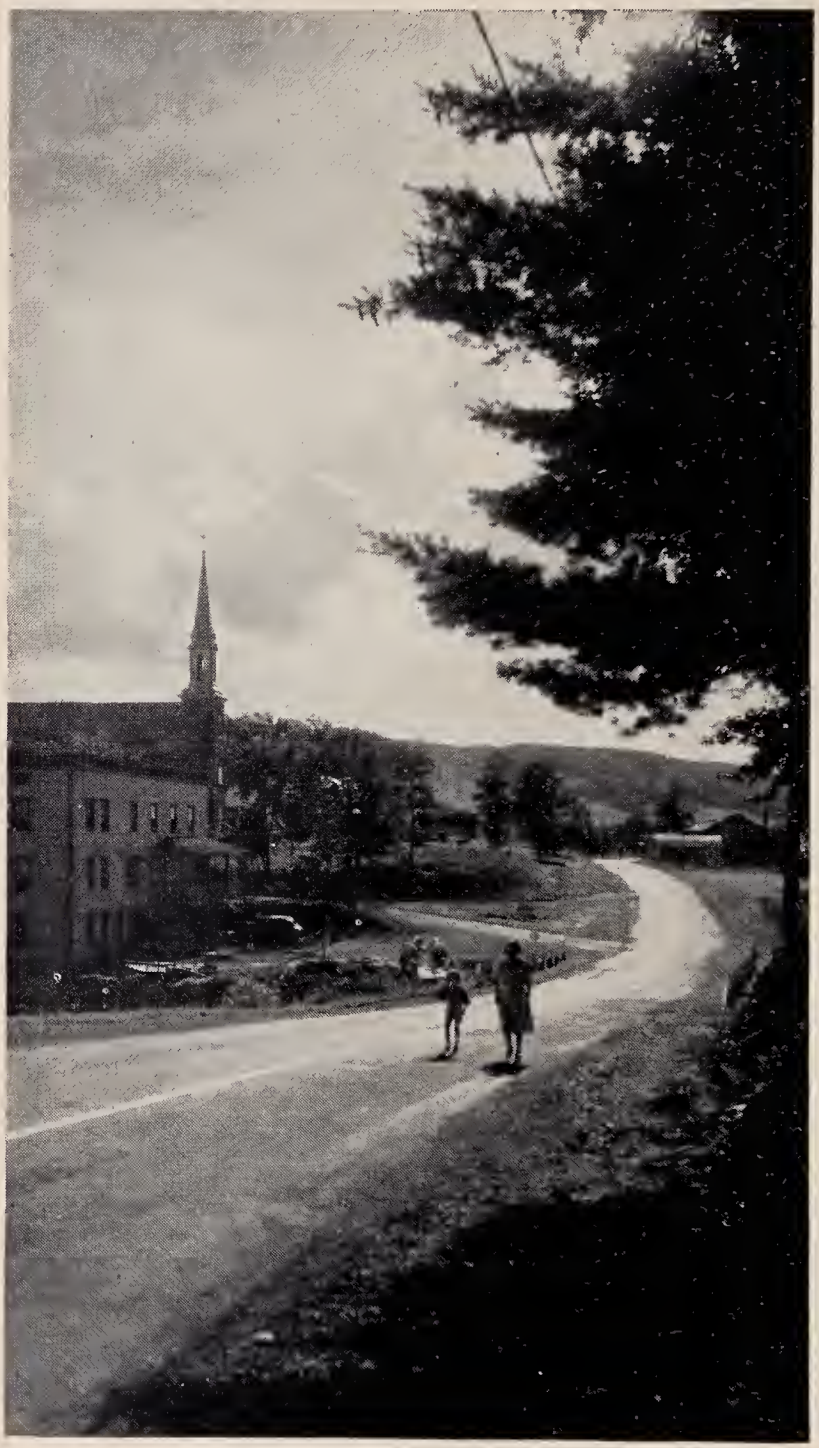
THE WHITE HOUSE
Late Afternoon, April 20, 1956

On Route 1, Monterey-San Luis Obispo, California *R. S.*



*R. S.*

Mar. 20, 1956 — Almost Anywhere in N. E.



Frenchville, St. John's Valley, Maine *Geo. French*

THE
(OLD)

# FARMER'S ALMANACK,

CALCULATED ON A NEW AND IMPROVED PLAN
FOR THE YEAR OF OUR LORD

# 1957

Being 1st after BISSEXTILE or LEAP YEAR, and (until July 4)
181st year of American Independence

FITTED FOR BOSTON, AND THE NEW ENGLAND STATES, WITH SPECIAL CORRECTIONS AND CALCULATIONS TO ANSWER FOR ALL THE UNITED STATES.

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NEW, USEFUL, AND ENTERTAINING MATTER.

ESTABLISHED IN 1792

## BY ROBERT B. THOMAS.

*ALL THE COMFORTS OF WINTER*

Chilblains sore on all your toes,
Icicles hung from your nose,
Rheumatis' in all your limbs,
Noddie full of aches and whims,
Chaps upon your hands and lips,
And lumbago in your hips,
To your bed you shiv'ring creep,
There to freeze, but not to sleep,
For the sheets that look so nice,
Are to you two sheets of ice.
*Anon.*, 1847

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# TO PATRONS AND CORRESPONDENTS

This is the 165th consecutive annual edition of The (Old) Farmer's Almanac(k) . . . the oldest continuously published, in the same name and format, periodical in America. This edition is for the year 1957 or Atomic Year 13. Last year's edition again enjoyed the largest paid almanac newsstand sale in the world. The distribution this year will exceed one million copies.

The astronomical calculations have once more been prepared by Loring B. Andrews; the weather by Abe Weatherwise; poetry by David Morton, Farm Calendars by Benjamin M. Rice. Once again we have favored our predilection for old woodcuts, those used in the Fish & Game section being current in Ireland in the year the Pilgrims landed at Plymouth. For the encouragement of those who, like ourselves, believe Nature will one day reveal her secrets for more than destructive use by man, we have included certain material on the Queen Bee (page 71) and Mushrooms (page 41). By popular request we have returned the Moon Weather Table to page 100, and for your amusement substituted two pages (48 and 65) of Illustrated Rebuses for the usual Puzzles and Word Charades. In addition, as you will learn from the Index on page 110, this edition has its full fare of entertaining and useful matter.

R.O.I., Rumford, R. I. It is regrettable you do not enjoy the rhymed weather verses. These are as traditional as "Thirty Days hath September" which first appeared in the OFA in 1828. L.R.H., Upper Darby, Pa. The time of the moon when a permanent wave will most quickly relax its curls will be in the full moon—especially when your neighbor's dog has just buried a bone in your best flower bed. T.W.L., Five Islands, Maine. If you don't know now what that strange event was which was predicted for June 19–25 in the OFA of 1956, you never will. Some, like you, were evidently out of reach. B.S.C., Falmouth, Cape Cod, Mass. A sheep storm is a cold northeaster which lasts over five days. It usually comes right after sheep are shorn to cause the poor sheep to shiver and bleet—and men like elderly deacons to use language suitable only to seamen. P.B.D., Boston, Mass. The "Underground Moon" is one which changes phase between midnight and one A.M. As a weather forecaster it probably means good weather rather than poor during the week to follow.

The year 1957 will witness on January 20th the private inauguration of another President of these United States. When this Almanac first appeared in 1792, George Washington was our President. . . . the first under our present Constitution. As we sit here pondering about this procession of Presidents, parties in power, and indeed editors of this Almanac who have commented upon the great Inaugural every four years since 1792, we find no **adequate** words. Speechless, we salute the wisdom of the Creator and ef our forbears which is responsible for our great form of government. This goes forward every year to greater heights, seemingly independent of individuals, parties, and world conditions. To be worthy of being an American, we may well tell ourselves, no matter how high or low our station or how good or bad our luck, is to have achieved a large measure of whatever success is possible in life.

Many governmental, quasi-public, and private sources have been used in the preparation of the Almanac this year. To these we owe and grant sincere gratitude as well as to the very many newspaper editors, columnists, news services, radio broadcasters, TV stations, and magazines without whose aid and interest the OFA would have perished many years ago. It is beyond our capacity to deliver adequately our full thanks to the very many whose interest continues in the welfare of this publication. We trust our own efforts in its behalf may continue to warrant your approbation. Man, however, in these things can only propose. God is the true disposer. In this then it is by our works and not our words we would be judged. These we hope will sustain us in the humble, though proud, station we have so long held, in the name of

Your ob'd servant,

July 15, 1956.

Robt. B. Thomas.

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# I.G.Y. YEAR, 1957–1958 (ATOMIC YEAR 13–14)

From July 1957 through December 1958 the scientists of forty nations, including the Soviet Union, will conduct the most comprehensive study ever undertaken upon the earth. Fields to be explored include meteorology, latitude and longitude, geomagnetism, gravity, solar activity, cosmic rays, oceanography, and rocket study.

One of America's contributions will be the twenty million dollar Project Vanguard. This consists in the launching of ten or twelve 21-inch diameter, 100-pound satellites for an individual existence of a few hours in an orbit approximately 300 miles from the earth.

The first satellite will be launched from the Patrick Air Force Base at Cocoa, Florida, in three stages: (1) A jump-off lasting about 140 seconds, during which the vehicle will attain a velocity of 3000–4000 miles per hour at 40 miles high. (2) Rocket engine stage then ends and separates from the pressure fed rocket thrust chamber which is to carry on up to 130-miles elevation at 11,000 miles per hour. From there on up the vehicle coasts to the desired 300-mile orbit. (3) At 300 miles out, the rocket chamber is dropped off and a solid propellant rocket will propel the satellite into its orbit at 18,000 miles per hour. Optical observation, except with powerful binoculars, will be next to impossible but radio tracking may allow the recording of some scientific events. At 257-miles altitude, the vehicle will view 17% of the earth or about the width of the United States, and the U.S. may view it for a period of 1.59 hours. During the satellite experiment, this country will also launch Rockoons (a combination balloon and rocket), and Aerobee Rockets to the 200-mile limit, 47 of the latter from Churchill, Canada, and Alamogordo, New Mexico; 11 of the former from both of these places and Thule.

Fantastic as this "breaking of the space barrier" activity may seem, the I.G. Year will no doubt consider as perfectly normal, U.S. Air-force plane Bell X2 flying at speeds (close to supersonic) of 760 miles per hour and the reduction of commercial plane flying time, through the advent of jet transports, between Los Angeles and New York to about 4½ hours. These jet transports will carry about 100 passengers around the world in less than 70 hours. Expenditures on guided missiles by the several interested branches of our armed forces will continue during the I.G.Y. at the rate of about one billion and a half dollars. The "Big Three," (U.S.A., S.U., and G.B.) will also contribute accompanying fireworks in the form of thermo-nuclear explosions at costs of many billions more.

The International Conference on Peaceful Uses of Atomic Energy held at Geneva in September 1955 reestablished channels of communication between men of science in different countries. The biological and agricultural aspects of the nuclear power age were given considerable emphasis. It was pointed out that whereas it took the first 1600 years of the Christian era to double the world population—the 100 years just passed witnessed a doubling to about 2.4 billion people. In the U.S.A. each person uses 3000 calories per day for food, 125,000 for heat and power. It was felt that continuing population growth presented problems of food and power scarcities which only atomic energy might solve. For example, nuclear power may well provide, at reasonable cost, fresh water from the sea. The Radioisotope, an atomic energy tool, is now regarded even more helpful to progress in these matters than has been the microscope. Through its use a new strain of oats has been developed, resistant to our mid-west rust disease. White mustard has been developed which will produce 7% more grain. The preservation of foods by radiation allows storage of foods, and long distance transportation, without refrigeration. Tobacco farmers in South Carolina, using radioisotope research, may save as many as 100,000 pounds of phosphate fertilizer per year. This figure may be multiplied many times over other crops in other states. Experiments at the present time in the field of photosynthesis—the most important biological process on earth (by which plants utilize natural elements to make the food we live by)—indicate the time is not far distant when man may not have to depend on nature at all for his vital source of food supply. Radioactive tracer techniques are also promising significant gains in the war on animal and plant pests. Crop production and fertility, the comparative values of crops to man, sources of nutrition, plant disease studies, development of more productive cattle breeds—these and many other components of atomic energy development provide, in the words of Dr. Pearson of

(Continued on page 74)

# PRINCIPAL HOLIDAYS, ETC. IN 1957

* The day and probable weekend weather are given for all which are either quite generally observed or seem to suggest long weekend vacation trips.

† Are recommended as "with pay" holidays—regardless of regular periods—for all commercial employes.

All dates are also included in abbreviated form in the Farm Calendars, pages 15-37. (**) State holidays only. (***) Observed some places though probably not holidays.

Jan. 1 (*†) New Year's Day, Tues. **Stormy**
Jan. 8 (**) Battle of New Orleans
Jan. 19 (**) Robert E. Lee's Birthday (South)
Jan. 20 (*†) Inauguration Day, Sun. (cel. Mon., **Cold**)
Jan. 26 (**) MacArthur Day (Ark.)
Jan. 30 (**) F. D. R's Day (Ky W. Va.)
Feb. 12 (*) Abraham Lincoln's Birthday. (13 States), Tues., **Rain**
Feb. 14 (**) Admission Day (Arizona)
Feb. 14 (***) Valentine's Day
Feb. 15 (***) Susan B. Anthony Day
Feb. 22 (*†) George Washington's Birthday, Fri., **Cold, Clear**
Mar. 1 (**) State Day (Nebraska)
Mar. 2 (**) Texas Independence Day
Mar. 5 (**) Mardi Gras (Ala., Fla., La.)
Mar. 7 (**) Burbank Day (Cal.)
Mar. 15 (**) Jackson Day (Tennessee)
Mar. 17 (**) St. Patrick's or Evacuation Day (Boston)
Mar. 25 (**) Maryland Day
Apr. 1 (**) State Election (Michigan)
Apr. 12 (**) Halifax Day (N. Car.)
Apr. 13 (**) Jefferson Day (Ala., Mo., Neb., Okla., Va.)
Apr. 14 (***) Pan American Day
Apr. 19 (**) Good Friday (Conn., Del., Fla., La., Md., Minn., N. J., Penn. & Tenn.) **Showers**
Apr. 19 (**) Patriots' Day (Me., Mass.), Fri., **Showers**
Apr. 21 (**) San Jacinto Day (Texas)
Apr. 22 (**) Easter Monday (N. Car.)
Apr. 22 (**) Okla. Day, Arbor Day, Nebr.
Apr. 22 (**) Fast Day (N. H.), Mon., **Changeable**
Apr. 26 (**) Memorial Day (Ala., Fla., Ga., Miss.)
May 4 (**) R. I. Independence Day
May 10 (**) Memorial Day (N. C. & S. C.)
May 12 (***) Mother's Day
May 18 (**) Armed Forces Day
May 20 (**) Mecklenburg Day (N. C.)
May 30 (*†) Decoration or Memorial Day, Thurs., **Rain**
June 3 (**) Jefferson Davis Day (Ala., Ark., Fla., Ga., Ky., La., Miss., S. C., Tenn., Tex. & Va.)
June 14 (**) Flag Day (Mo. & Pa.)
June 15 (**) Pioneer Day (Idaho)
June 16 (***) Father's Day
June 17 (**) Bunker Hill Day (Suffolk County, Mass.), Mon., **Clear**
June 20 (**) West Virginia Day
July 4 (*†) Independence Day, Thurs., **Nice**
July 13 (**) Forrest's Day (Tenn.)
July 24 (**) Pioneer Day (Utah)
Aug. 1 (**) Colorado Day
Aug. 14 (**) Victory Day (Ark., R. I.)
Aug. 16 (**) Bennington, Vt. Battle Day
Aug. 30 (**) Huey Long Day (La.)
Sept. 2 (*†) Labor Day, Mon., **Clear**
Sept. 9 (**) Admission Day (Cal.)
Sept. 12 (**) Defender's Day (Md.)
Sept. 16 (**) Cherokee Day (Okla.)
Sept. 17 (***) Citizenship Day
Sept. 27 (***) Am. Indian Day
Oct. 7 (**) Missouri Day
Oct. 10 (**) Okla. Hist. Day
Oct. 11 (**) Pulaski Day (Neb.)
Oct. 12 (*†) Columbus Day, Sat., **Fine**
Oct. 24 (***) United Nations Day
Oct. 31 (**) Nevada Day
Nov. 1 (**) All Saints' Day (La.)
Nov. 4 (**) Will Rogers Day (Okla.)
Nov. 5 (*) Election Day, Tues., **Snow or Rain**
Nov. 11 (*) Veterans' Day, Mon., **Nice**
Nov. 23 (**) Repudiation Day (Md.)
Nov. 28 (*†) Thanksgiving Day, Thurs., **Stormy**
Dec. 7 (**) Delaware Day
Dec. 21 (***) Forefather's Day
Dec. 25 (*†) Christmas Day, Wed., **White**

# ECLIPSES FOR THE YEAR 1957

There will be four eclipses in 1957, two of the Sun and two of the Moon. Of these only one, that of the Sun, will be completely invisible to observers within the United States. Their view of the other three eclipses will, however, be limited.

I. **An Annular Eclipse of the Sun, April 29, 1957.** The path from which the annular phase of this eclipse can be seen lies in the Arctic between the U. S. S. R. and the North Pole. In its partial phase this eclipse will be widely visible throughout the Orient, the north Pacific Ocean and northern North America. As such it will be visible as sunset nears to residents of Minnesota and Nebraska and of the States west of these and to those of the northern parts of Colorado, Utah and Nevada and of the States north of these, or, generally speaking, by observers in the northwest quadrant of the United States. Within this area the Moon will cover the Sun to a little less than a quarter of the Sun's diameter for observers close to the Canadian border and increasingly less of the Sun's diameter the further south the observer is within the area described.

II. **A Total Eclipse of the Moon, May 13, 1957.** The beginning of this eclipse will be generally visible from the eastern hemisphere and the Atlantic Ocean as far west as the east coast of South America, though not from the Ocean's northwestern part. Its ending will be visible from the eastern hemisphere except for the eastern part of Asia, all of South America and the Atlantic Ocean, and from the east coast of North America. In general, observers within the Eastern Time belt will miss the total phase of the eclipse and be able to watch solely the concluding partial phase from the time the moon rises with the eclipse in progress.

III. **A Total Eclipse of the Sun, October 23, 1957.** This is purely an Antarctic eclipse. The very limited path of totality lies over ocean waters and touches the coast of the Antarctic continent for but a very short distance.

IV. **A Total Eclipse of the Moon, November 7, 1957.** Observers who were denied a view of the lunar eclipse of May 13, 1957, can glimpse this one but with the disadvantage of rising before dawn to watch the setting Moon. It will not be visible to observers in the Eastern Time belt, but its beginning will be visible from points west of it to as far as mid-Asia. For those within the United States who can view the eclipse, the Moon will in general set before the total phase has begun. Observers along the west coast of the United States alone will have a few minutes' glimpse of the totally eclipsed Moon before its setting. The ending of the eclipse will be seen only by observers in Alaska, throughout the Pacific Ocean, and west as far as eastern Europe.

# TRANSIT OF MERCURY 1957

On May 5, 1957 (6.57 P.M. E.S.T.–9.18 P.M. E.S.T.) Mercury will cross the northwest quadrant of the Sun's disc. Too small to be seen by the naked eye; a telescope is needed, and, of course, heavy dark glass to protect the eyes. On the east coast little more than its very beginning will be visible. Observers in the far west will be able to observe the entire transit. Observers between the coasts will be able to observe but a portion of the transit, the further west the greater the portion.

# EARTH IN PERIHELION AND APHELION, 1957

The Earth will be in Perihelion on January 3, 1 A.M., distant from the Sun 91,448,000 miles. The Earth will be in Aphelion on July 2, 8 P.M., distant from the Sun 94,557,000 miles.

# FULL MOON—RISINGS AND SETTINGS—1957

These times are given primarily for the benefit of those who live along our sea coasts and enjoy the romance of watching the full moon rise out of or sink into the ocean. Use Key (see pages 101–104) to adjust times to your locale.

| Date | Rises | Key | Sets | Key | Date | Rises | Key | Sets | Key |
|---|---|---|---|---|---|---|---|---|---|
| Jan. 16 | 5.37 P.M. | F | 6.03 A.M. | M | July 11 | 6.55 P.M. | M | 4.07 A.M. | E |
| Feb. 14 | 5.40 P.M. | H | 6.13 A.M. | J | Aug. 10 | 6.36 P.M. | K | 4.56 A.M. | F |
| Mar. 15 | 5.43 P.M. | I | 5.16 A.M. | I | Sept. 8 | 5.34 P.M. | J | 4.45 A.M. | H |
| Apr. 14 | 6.58 P.M. | L | 4.54 A.M. | F | Oct. 8 | 4.59 P.M. | G | 5.32 A.M. | L |
| May 13 | 6.55 P.M. | M | 4.07 A.M. | E | Nov. 7 | 4.40 P.M. | E | 6.21 A.M. | M |
| June 12 | 7.34 P.M. | N | 4.24 A.M. | D | Dec. 7 | 4.56 P.M. | D | 7.06 A.M. | N |

# THE SEASONS, 1957

*Eastern Standard Time*

Winter Solstice (Winter, 1956), December 21, 4.00 P.M., Sun enters Capricornus. ♑
Vernal Equinox (Spring, 1957), March 20, 4.17 P.M., Sun enters Aries, ♈
Summer Solstice (Summer), June 21, 11.21 A.M., Sun enters Cancer, ♋
Autumnal Equinox (Autumn), September 23, 2.27 A.M., Sun enters Libra, ♎
Winter Solstice (Winter), December 21, 9.49 P.M., Sun enters Capricornus. ♑

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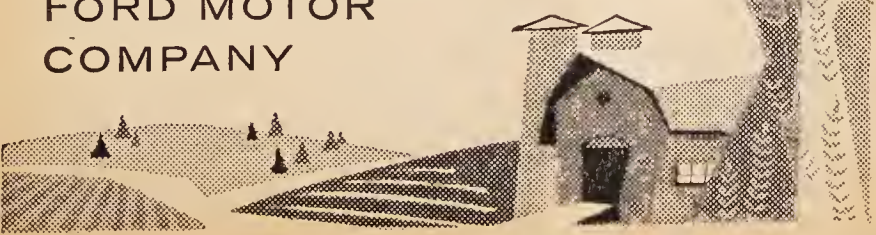
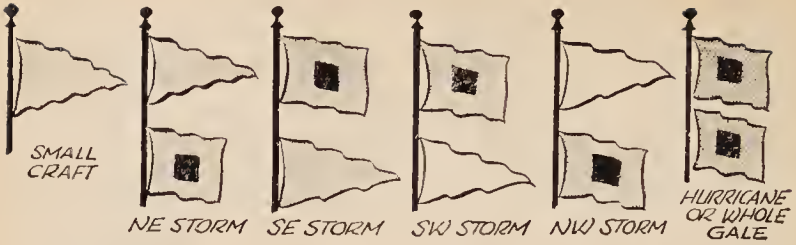
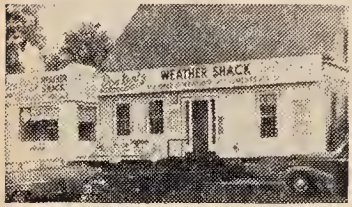


# STORM WARNINGS




## Be your own Weather Man

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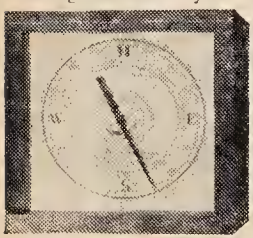

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Accurate Plastic Rain Gage only $3.95

## NEXT WINTER'S WEATHER

### (Nov., Dec. 1956—Jan., Feb., Mar. 1957)

See Pages 15–37—and for Weekend Holidays, Page 5.

"EVEN AND FINE—MANY STORMS, BUT GOOD WEATHER IN BETWEEN. AVERAGES COLDER THAN LAST YEAR ESPECIALLY IN FEBRUARY. ON THE WHOLE, MORE SNOW."

1956

**November:** 1–6, stormy and bold. 7–11, snow flurries. 13–18, cold. 20–25, bleak. 26–30, N. E. storm.

**December:** 1–7, snow which will last all winter. 9–12, milder. 13–18, icy roads. 19–21, damp cold. 23–31, cold and windy.

1957

**January:** 1–5, rain and sleet. 6–10, fluffy snow storm. 11–15, cold wind. 16–21, cold, then colder. 22–24, thaw. 25–31, blizzard.

**February:** 1–6, easterly gales. 7–10, wild. 11–13, rain. 14–21, storms and/or very cold. 22–28, cold and snow.

**March:** 1–3, wind squalls. 5–8, rain. 10–17, snow and rain. 19–24, stormy. 24–31, changeable.

## NEXT SPRING'S WEATHER

### (April, May, June 1957)

"COLD AND LATE."

**April:** 1–6, foggy—warmer. 7–14, nice. 16–21, showers. 22–30, last big snow of year.

**May:** 1–5, fine. 6–13, cool. 16–31, lots of rain.

**June:** 1–8, cold misty. 10–15, humid-sultry. 18–22, rain. 24–30, hot.

## NEXT SUMMER'S WEATHER

### (July and August 1957)

"WILL BE AS COOL IN AUGUST AS IT HAS BEEN HOT IN JULY."

**July:** 1–3, cold rains. 4–10, hot. 11–22, fine except occasional thunderstorms. 23–30, fine with perhaps one bad storm.

**August:** 1–5, hot. 6–12, fine storms. 15–18, cool. 19–25, gale, then cooler. 26–31, rain.

## NEXT FALL'S WEATHER

### (Sept., Oct. 1957)

"NORMAL—INCLUDING GALES BUT NOT HURRICANES NORTH OF THE CAROLINAS."

**September:** 1–15, cool and fine. 17–24, gales but hurricanes stay down south. 25–30, cools off.

**October:** 1–4, fine. 5–7, storms. 8–20, wonderful. 24–31, snow flurries.

## LAST WINTER'S WEATHER

### (Nov., Dec., 1955 and Jan., Feb., Mar. 1956)

The overall prediction made by staffer Abe Weatherwise for this Almanac for last winter read: "**As severe as any of the 20th century**" (see Page 6, 1956 Edition). If immodesty on our part in pointing with pride to the success of this prediction will be forgiven, which we doubt, we would like to point out that with the exception of February, during which Europe took unto itself the bad weather Abe had expected here, the past winter will stand in the records of the 20th century as "severe." Several records were established; long cold spell end of December, long northeast storm, Jan. 8-13 and great icing Mt. Washington, most snow of any March.

Details of the forecast given on the Calendar pages are difficult to check against what happened, for Abe's forecast is "For Boston and the New England States, with the rest of the country, excepting Easterlies and Hurricanes, one day ahead for each Time Zone." But as nearly as our limited means of observation can determine, and taking into account that even a Boston prediction for "Rain" can be successful on the Common and on the same day wrong two blocks away, here is how the month by month score looks: November 1–15 said "cold and stormy." **He was 100% accurate for most of the country.** 16–23 said "mild." **Wrong—temperatures were below normal every day.** 25–30, "Northeaster." **Wrong.** December: 1–7, "blustery and cold." **Right.** 8–10, "snows." **Right.** 11–17, "rain-sleet." **Right.** 18–31, "cold,

(Continued on page 74)

## VENUS, MARS, JUPITER AND SATURN, 1957.

Below are given the times of the rising or setting of the Planets named, on the first, eleventh and twenty-first of each month. The time of the rising or setting of any one of said Planets between the days named may be found with sufficient accuracy by interpolation. For explanation of keys (used in adjusting times given to your town) see page 101.

| 1957 | VENUS h m | Key | MARS h m | Key | JUPITER h m | Key | SATURN h m | Key |
|---|---|---|---|---|---|---|---|---|
| JANUARY 1st | rises 5 18 A.M. | N | sets 12 16 A.M. | J | rises 11 00 P.M. | I | rises 4 47 A.M. | N |
| " 11th | " 5 38 A.M. | O | " 12 07 A.M. | K | " 10 23 P.M. | I | " 4 13 A.M. | N |
| " 21st | " 5 53 A.M. | O | " 11 58 A.M. | K | " 9 43 P.M. | I | " 3 38 A.M. | N |
| FEBRUARY 1st | rises 6 03 A.M. | N | sets 11 50 P.M. | L | rises 8 57 P.M. | I | rises 2 59 A.M. | N |
| " 11th | " 6 06 A.M. | N | " 11 43 P.M. | L | " 8 14 P.M. | I | " 2 23 A.M. | N |
| " 21st | " 6 04 A.M. | M | " 11 36 P.M. | M | " 7 30 P.M. | I | " 1 47 A.M. | N |
| MARCH 1st | rises 5 59 A.M. | L | sets 11 31 P.M. | M | rises 6 54 A.M. | I | rises 1 17 A.M. | N |
| " 11th | " 5 51 A.M. | K | " 11 25 P.M. | N | rises 6 09 P.M. | I | " 12 39 A.M. | N |
| " 21st | " 5 40 A.M. | J | " 11 18 P.M. | N | sets 5 48 A.M. | J | " 11 56 P.M. | N |
| APRIL 1st | rises 5 26 A.M. | I | sets 11 10 P.M. | O | sets 5 06 A.M. | J | rises 11 13 P.M. | N |
| " 11th | rises 5 14 A.M. | H | " 11 02 P.M. | O | " 4 24 A.M. | J | " 10 32 P.M. | N |
| " 21st | sets 6 39 P.M. | L | " 10 52 P.M. | O | " 3 43 A.M. | J | " 9 51 P.M. | N |
| MAY 1st | sets 7 04 P.M. | M | sets 10 42 P.M. | O | sets 3 02 A.M. | J | rises 9 09 P.M. | N |
| " 11th | " 7 30 P.M. | N | " 10 29 P.M. | O | " 2 22 A.M. | J | " 8 27 P.M. | N |
| " 21st | " 7 54 P.M. | O | " 10 16 P.M. | O | " 1 42 A.M. | J | rises 7 44 P.M. | N |
| JUNE 1st | sets 8 17 P.M. | O | sets 9 59 P.M. | O | sets 12 59 A.M. | J | sets 4 30 A.M. | D |
| " 11th | " 8 33 P.M. | O | " 9 41 P.M. | O | " 12 17 A.M. | J | " 3 48 A.M. | D |
| " 21st | " 8 43 P.M. | O | " 9 23 P.M. | N | " 11 39 P.M. | J | " 3 06 A.M. | D |
| JULY 1st | sets 8 46 P.M. | N | sets 9 03 P.M. | N | sets 11 02 P.M. | J | sets 2 24 A.M. | D |
| " 11th | " 8 44 P.M. | M | " 8 41 P.M. | M | " 10 25 P.M. | J | " 1 43 A.M. | D |
| " 21st | " 8 36 P.M. | L | " 8 19 P.M. | M | " 9 49 P.M. | I | " 1 02 A.M. | D |
| AUGUST 1st | sets 8 25 P.M. | K | sets 7 53 P.M. | L | sets 9 10 P.M. | I | sets 12 18 A.M. | D |
| " 11th | " 8 11 P.M. | J | " 7 29 P.M. | L | " 8 34 P.M. | I | " 11 34 P.M. | D |
| " 21st | " 7 56 P.M. | I | " 7 05 P.M. | K | " 7 59 P.M. | I | " 10 55 P.M. | D |
| SEPTEMBER 1st | sets 7 40 P.M. | H | sets 6 37 P.M. | J | sets 7 21 P.M. | I | sets 10 12 P.M. | D |
| " 11th | " 7 25 P.M. | F | sets 6 12 P.M. | J | " 6 51 P.M. | I | " 9 34 P.M. | D |
| " 21st | " 7 12 P.M. | E | rises 5 30 A.M. | I | " 6 16 P.M. | H | " 8 57 P.M. | D |
| OCTOBER 1st | sets 7 02 P.M. | D | rises 5 24 A.M. | I | sets 5 37 P.M. | H | sets 8 20 P.M. | D |
| " 11th | " 6 56 P.M. | C | " 5 18 A.M. | J | rises 5 29 A.M. | J | " 7 43 P.M. | D |
| " 21st | " 6 54 P.M. | C | " 5 12 A.M. | J | " 5 00 A.M. | J | " 7 07 P.M. | D |
| NOVEMBER 1st | sets 6 57 P.M. | B | rises 5 06 A.M. | K | rises 4 29 A.M. | J | sets 6 28 P.M. | D |
| " 11th | " 7 05 P.M. | B | " 5 01 A.M. | L | " 4 00 A.M. | K | " 5 52 P.M. | D |
| " 21st | " 7 15 P.M. | C | " 4 57 A.M. | L | " 3 31 A.M. | K | " 5 17 P.M. | D |
| DECEMBER 1st | sets 7 25 P.M. | C | rises 4 53 A.M. | M | rises 3 01 A.M. | K | sets 4 42 P.M. | D |
| " 11th | " 7 32 P.M. | D | " 4 49 A.M. | M | " 2 30 A.M. | K | rises 6 49 A.M. | N |
| " 21st | " 7 31 P.M. | E | " 4 45 A.M. | N | " 1 59 A.M. | K | " 6 15 A.M. | N |
| " 31st | sets 7 19 P.M. | E | rises 4 41 A.M. | N | rises 1 27 A.M. | K | rises 5 41 A.M. | N |

## MORNING AND EVENING STARS, 1957

*(A Planet is called Morning Star when it is above the horizon at sunrise, and Evening Star when it is above the horizon at sunset. More precisely, it is a Morning Star when it is less than 180° west of the Sun in right ascension and Evening Star when it is less than 180° east. When the planet is near conjunction or opposition, the distinction is unimportant.)*

*Mercury* will be favorably situated for being seen as an Evening Star when near its greatest eastern elongations about April 15, August 13, and November 18. On these dates it will set 1 h. 44 m., 0 h. 54 m., and 0 h. 33 m., respectively, after sunset. It will be seen as a Morning Star when near its greatest western elongations, about February 2, June 1, and September 25, on which dates it will rise 1 hr. 23 m., 0 h. 55 m., and 1 h. 30 m., respectively ,before sunrise.

*Venus* will be a Morning Star until April 14, when it will reach conjunction. For the balance of the year it will be an Evening Star and will reach its greatest brilliance for the year during the Christmas Season.

*Mars* will be seen in the west as an Evening Star until September 21, dwindling steadily in brightness from its peak of brilliance in the late summer and early fall of last year. From conjunction on September 21 Mars will be a Morning Star for the rest of the year.

*Jupiter* will be a Morning Star until March 17 when it comes to opposition and again from October 5, when it reaches conjunction, for the remainder of the year. Between March 17 and October 5 it will be an Evening Star.

*Saturn* will be a Morning Star until June 1 and from December 8, the dates it reaches opposition and conjunction respectively. From June 1 to December 8 it will be seen after sunset as an Evening Star.

## 1956

### JANUARY.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | – | – | – | – |
| – | – | – | – | – | – | – |

### FEBRUARY.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | – | – | – |
| – | – | – | – | – | – | – |

### MARCH.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| – | – | – | – | – | – | – |

### APRIL.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | – | – | – | – | – |
| – | – | – | – | – | – | – |

### MAY.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | – | – |
| – | – | – | – | – | – | – |

### JUNE.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | – | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| – | – | – | – | – | – | – |

### JULY.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | – | – | – | – |
| – | – | – | – | – | – | – |

### AUGUST.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | – |
| – | – | – | – | – | – | – |

### SEPTEMBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | – | – | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | – | – | – | – | – | – |

### OCTOBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | – | – | – |
| – | – | – | – | – | – | – |

### NOVEMBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | – |
| – | – | – | – | – | – | – |

### DECEMBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | – | – | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | – | – | – | – | – |

**Bold Face Dates 1957 Best Fishing Days**

### JANUARY.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | **9** | **10** | **11** | **12** |
| **13** | **14** | **15** | **16** | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | – | – |
| – | – | – | – | – | – | – |

### FEBRUARY.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | – | 1 | 2 |
| 3 | 4 | 5 | 6 | **7** | **8** | **9** |
| **10** | **11** | **12** | **13** | **14** | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | – | – |
| – | – | – | – | – | – | – |

### MARCH.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | – | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | **9** |
| **10** | **11** | **12** | **13** | **14** | **15** | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | – | – | – | – | – | – |

### APRIL.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | 1 | 2 | 3 | 4 | 5 | 6 |
| **7** | **8** | **9** | **10** | **11** | **12** | **13** |
| **14** | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | – | – | – | – |
| – | – | – | – | – | – | – |

### MAY.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | 1 | 2 | 3 | 4 |
| 5 | **6** | **7** | **8** | **9** | **10** | **11** |
| **12** | **13** | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | – |
| – | – | – | – | – | – | – |

### JUNE.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | – | – | 1 |
| 2 | 3 | 4 | 5 | 6 | **7** | **8** |
| **9** | **10** | **11** | **12** | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | – | – | – | – | – | – |

### JULY.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | 1 | 2 | 3 | 4 | 5 | 6 |
| **7** | **8** | **9** | **10** | **11** | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | – | – | – |
| – | – | – | – | – | – | – |

### AUGUST.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | 1 | 2 | 3 |
| **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| – | – | – | – | – | – | – |

### SEPTEMBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| **8** | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | – | – | – | – | – |
| – | – | – | – | – | – | – |

### OCTOBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | **1** | **2** | **3** | **4** | **5** |
| **6** | **7** | **8** | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | – | – |
| – | – | – | – | – | – | – |

### NOVEMBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| **3** | **4** | **5** | **6** | **7** | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| – | – | – | – | – | – | – |
| – | – | – | – | – | – | – |

### DECEMBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| **1** | **2** | **3** | **4** | **5** | **6** | **7** |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | – | – | – | – |
| – | – | – | – | – | – | – |

## 1958

### JANUARY.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | – |
| – | – | – | – | – | – | – |

### FEBRUARY.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | – | – | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | – |
| – | – | – | – | – | – | – |

### MARCH.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | – | – | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | – | – | – | – | – |

### APRIL.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | – | – | – |
| – | – | – | – | – | – | – |

### MAY.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| – | – | – | – | – | – | – |

### JUNE.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | – | – | – | – | – |
| – | – | – | – | – | – | – |

### JULY.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | – | – |
| – | – | – | – | – | – | – |

### AUGUST.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | – | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | – | – | – | – | – | – |

### SEPTEMBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | – | – | – | – |
| – | – | – | – | – | – | – |

### OCTOBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | – |
| – | – | – | – | – | – | – |

### NOVEMBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | – | – | – | – | – | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | – | – | – | – | – | – |

### DECEMBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| – | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | – | – | – |
| – | – | – | – | – | – | – |

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# INTRODUCTION TO CALENDAR PAGES

## STANDARD TIME IS USED THROUGHOUT THIS ALMANAC

Add 1 hr April 8, (deduct it Oct. 27) for Daylight Saving Time
For States which retain September D.S.T. Closing Date, Deduct it Sept. 29 — All others Oct. 27

### Chronological Cycles for 1957.

| | | | | | |
|---|---|---|---|---|---|
| Golden Number . . . | 1 | Solar Cycle . . . . . | 6 | Roman Indiction . . . | 10 |
| Epact . . . . . | 29 | Dominical Letter* . . | F | Year of Julian Period | 6670 |

**The Dominical Letter is used instead of the usual "S" for "Sunday" by almanac makers for determining at a glance (a) the year of the almanac, (b) on what day of the week any day of the month will fall.*

## HOW TO READ THE WEATHER

Turn to Page 15, note in italic type the words "Slippery Sleet makes soggy feet," opposite January 1, 2, 3, 4, and 5. This means the sentence foretells this kind of weather for those five days. Just so, "Aw, Maw, a thaw" tells similarly the weather for January 22, 23, and 24. For each time zone West of E.S.T. read these predictions as if for one day sooner. In case of doubt use the moon table on Page 100. Easterly storms would not apply to West or Midwest.

### Movable Feasts and Fasts for 1957.

| | | | | | |
|---|---|---|---|---|---|
| Septuagesima Sun. | Feb. 17 | Good Friday | Apr. 19 | Whitsunday | June 9 |
| Shrove Sunday | Mar. 3 | Easter Sunday | Apr. 21 | Trinity Sunday | June 16 |
| Ash Wednesday | Mar. 6 | Low Sunday | Apr. 28 | Corpus Christi | June 20 |
| 1st Sun. in Lent | Mar. 10 | Rogation Sun. | May 26 | 1st Sunday in Advent | Dec. 1 |
| Palm Sunday | Apr. 14 | Ascension Day | May 30 | | |

## Calendar Page Explanations and Signs

On the right hand pages you will find every now and again the symbols given below conjoined in groups of three to give you what is happening in the heavens. See Glossary, Page 108. Example: ☌ ♄ ☾ on page 15 opposite Jan. 25 means Saturn and the Moon are on that day in conjunction, or nearest to each other. See also pages 101-105 which explain how you may correct these pages 14-36 for use anywhere in the U.S.A.

### Names and Characters of the Principal Planets.

☉ ☽ ☿ ♀ ♂ ♃ ♄ ♅ ♆ ♇

☉ The Sun.
☽ The Moon.
☿ Mercury.
♀ Venus.
⊕ The Earth.
♂ Mars.
♃ Jupiter.
♄ Saturn.
♅ or ♅ Uranus.
♆ Neptune.
♇ Pluto.

### Names and Characters of the Aspects.

☌ Conjunction, or in the same degree.
□ Quadrature, 90 degrees.
☍ Opposition, or 180 degrees.
☊ Dragon's Head, or Ascending Node.
☋ Dragon's Tail, or Descending Node.

### Names, Abbreviations and Characters of the Signs of the Zodiac.

See next to last column, pages 14-36 for moon's place each day in Zodiac. Best planting signs: CNC, LIB, SCO. See also pages 39 and 40, and for best fishing dates, 11.

♈ Aries, head. ARI
♉ Taurus, neck. TAU
♊ Gemini, arms. G'M
♋ Cancer, breast. CNC
♌ Leo, heart. LEO
♍ Virgo, belly. VIR
♎ Libra, reins. LIB
♏ Scorpio, secrets. SCO
♐ Sagittarius, thighs. SGR
♑ Capricornus, knees. CAP
♒ Aquarius, legs. AQR
♓ Pisces, feet. PSC

*Man of the Signs used by Abe Weatherwise, 1784.*

1957] JANUARY, First Month.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.

| Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 22s.59 | 7 | 22 21 | 13 | 21 26 | 19 | 20 17 | 25 | 18 54 |
| 2 | 22 54 | 8 | 22 13 | 14 | 21 16 | 20 | 20 04 | 26 | 18 39 |
| 3 | 22 48 | 9 | 22 04 | 15 | 21 05 | 21 | 19 51 | 27 | 18 24 |
| 4 | 22 42 | 10 | 21 55 | 16 | 20 53 | 22 | 19 37 | 28 | 18 08 |
| 5 | 22 35 | 11 | 21 46 | 17 | 20 42 | 23 | 19 23 | 29 | 17 52 |
| 6 | 22 28 | 12 | 21 36 | 18 | 20 30 | 24 | 19 09 | 30 | 17 36 |

☽ First Quarter, 9th day, 2 h. 6 m., morning, W.

○ Full Moon, 16th day, 1 h. 21 m., morning, W.

☾ Last Quarter, 22nd day, 4 h. 48 m., evening, W.

● New Moon, 30th day, 4 h. 24 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 101-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | Tu. | 7 13 | o | 4 23 | c | 9 10 | 13 | 11¼ | 11¾ | 5$^{P}_{M}$17 | E | 12$^{P}_{M}$15 | CAP | 1 |
| 2 | 2 | W. | 7 13 | o | 4 24 | c | 9 11 | 12 | 11¾ | — | 6 15 | F | 1 01 | AQR | 2 |
| 3 | 3 | Th. | 7 13 | o | 4 25 | c | 9 12 | 12 | 0¼ | 0½ | 7 13 | F | 1 46 | AQR | 3 |
| 4 | 4 | Fr. | 7 13 | o | 4 26 | c | 9 13 | 11 | 1 | 1¼ | 8 11 | G | 2 29 | AQR | 4 |
| 5 | 5 | Sa. | 7 13 | o | 4 27 | D | 9 14 | 11 | 1¾ | 1¾ | 9 09 | H | 3 11 | PSC | 5 |
| 6 | 6 | F | 7 13 | N | 4 28 | D | 9 15 | 10 | 2¼ | 2½ | 10 07 | I | 3 53 | PSC | 6 |
| 7 | 7 | M. | 7 13 | N | 4 29 | D | 9 16 | 10 | 3 | 3¼ | 11$^{P}_{M}$07 | J | 4 35 | ARI | 7 |
| 8 | 8 | Tu. | 7 13 | N | 4 30 | D | 9 17 | 9 | 3¾ | 4¼ | — | — | 5 19 | ARI | 8 |
| 9 | 9 | W. | 7 13 | N | 4 31 | D | 9 18 | 9 | 4¾ | 5 | 12$^{A}_{M}$08 | K | 6 05 | ARI | 9 |
| 10 | 10 | Th. | 7 12 | N | 4 32 | D | 9 20 | 8 | 5½ | 6 | 1 10 | L | 6 54 | TAU | 10 |
| 11 | 11 | Fr. | 7 12 | N | 4 33 | D | 9 21 | 8 | 6½ | 7 | 2 15 | M | 7 47 | TAU | 11 |
| 12 | 12 | Sa. | 7 12 | N | 4 34 | D | 9 22 | 8 | 7¼ | 8 | 3 20 | N | 8 44 | TAU | 12 |
| 13 | 13 | F | 7 11 | N | 4 35 | D | 9 24 | 7 | 8¼ | 8¾ | 4 23 | N | 9 44 | G'M | 13 |
| 14 | 14 | M. | 7 11 | N | 4 36 | D | 9 25 | 7 | 9¼ | 9¾ | 5 23 | N | 10 45 | CNC | 14 |
| 15 | 15 | Tu. | 7 10 | N | 4 37 | D | 9 27 | 7 | 10 | 10½ | 6$^{A}_{M}$18 | N | 11$^{P}_{M}$47 | CNC | 15 |
| 16 | 16 | W. | 7 10 | N | 4 39 | D | 9 29 | 6 | 10¾ | 11½ | rises | — | — | — | — |
| 17 | 17 | Th. | 7 09 | N | 4 40 | D | 9 30 | 6 | 11¾ | — | 6$^{P}_{M}$54 | G | 12$^{A}_{M}$46 | LEO | 16 |
| 18 | 18 | Fr. | 7 09 | N | 4 41 | D | 9 32 | 6 | 0¼ | 0½ | 8 10 | H | 1 43 | LEO | 17 |
| 19 | 19 | Sa. | 7 08 | N | 4 42 | D | 9 34 | 5 | 1 | 1½ | 9 23 | I | 2 37 | VIR | 18 |
| 20 | 20 | F | 7 08 | N | 4 43 | D | 9 36 | 5 | 2 | 2¼ | 10 35 | K | 3 30 | VIR | 19 |
| 21 | 21 | M. | 7 07 | N | 4 45 | D | 9 38 | 5 | 2¾ | 3¼ | 11$^{P}_{M}$44 | L | 4 21 | LIB | 20 |
| 22 | 22 | Tu. | 7 06 | N | 4 46 | D | 9 40 | 4 | 3¾ | 4¼ | — | — | 5 12 | LIB | 21 |
| 23 | 23 | W. | 7 06 | N | 4 47 | D | 9 42 | 4 | 4¾ | 5¼ | 12$^{A}_{M}$50 | M | 6 02 | SCO | 22 |
| 24 | 24 | Th. | 7 05 | N | 4 48 | D | 9 44 | 4 | 5¾ | 6¼ | 1 54 | M | 6 53 | SCO | 23 |
| 25 | 25 | Fr. | 7 04 | M | 4 50 | E | 9 46 | 4 | 6¾ | 7½ | 2 53 | N | 7 44 | SGR | 24 |
| 26 | 26 | Sa. | 7 03 | M | 4 51 | E | 9 48 | 3 | 7¾ | 8½ | 3 47 | N | 8 34 | SGR | 25 |
| 27 | 27 | F | 7 02 | M | 4 52 | E | 9 50 | 3 | 8¾ | 9¼ | 4 36 | N | 9 24 | CAP | 27 |
| 28 | 28 | M. | 7 01 | M | 4 54 | E | 9 52 | 3 | 9½ | 10 | 5 18 | N | 10 12 | CAP | 28 |
| 29 | 29 | Tu. | 7 01 | M | 4 55 | E | 9 54 | 3 | 10¼ | 10¾ | 5$^{A}_{M}$55 | M | 10 59 | CAP | 29 |
| 30 | 30 | W. | 7 00 | M | 4 56 | E | 9 57 | 3 | 10¾ | 11¼ | sets | — | 11$^{A}_{M}$44 | AQR | 30 |
| 31 | 31 | Th. | 6 59 | M | 4 57 | E | 9 59 | 2 | 11½ | — | 6$^{P}_{M}$04 | G | 12$^{P}_{M}$27 | AQR | 1 |

## JANUARY hath 31 days. [1957

Adventurers all, they take this new
Adventure as they took the others.
(You see him, there: man and his brothers)

What has there even been ahead
That heard him say 'Not this . . . not this'?—
He went to meet it like a kiss!

| D. M. | D. W. | Aspects, Holidays, Heights of High Water, Weather, etc. | Farmer's Calendar. |
|---|---|---|---|
| 1 | Tu. | Circumcision. ☿ Stat in R.A. {10.1 8.9} *Slippery* | A resolve, of course, is no wiser or stronger than we make it. I believe not in making resolves (with the exceptions I **shall** make in a moment), for I believe that within us are great forces of resolution which are constantly at work to keep our lives in rhythm and balance. It would be a very silly resolve, it seems to me, if I should write on my New Year's slate — "I resolve not to hate Aunt Sophronia." The point is that it is not a question of not hating Aunt Sophronia, but loving her if I can yet, anyhow not hurting her. But deeper and more fundamental is the fact that this little banner flown for Aunt Sophronia is pathetic indeed if we consider that the great bastion of our resolutions in the world is that we shall love that we may live. We don't often have to regulate this when we act **naturally, spontaneously. Naturally,** for this is the normal health and balance of our beings. **Spontaneously,** for this is love which is the expression of normalcy.<br><br>But we are not always normal human beings, and too often we hurt where we have loved, or would love. We can kill all the bright past with such angry, bitter words as — "You never knew, poor dear, but we must tell you now —" or "If we had the money now that you spent on that —" Oh, these tired and terrible formulas for hurting. Not a resolve I would make but a prayer that this be not my sin and my folly. |
| 2 | W. | ♂☿☾ Days have lengthened one cock's stride {10.0 —} *sleet* | |
| 3 | Th. | ⊕ in Peri 1st U.S. Religious Journal publ. 1816 {8.9 9.9} *makes* | |
| 4 | Fr. | ☾ in Apo. 1835 N.Y.C. 18 below but Illinois had mud {9.0 9.7} *sog-* | |
| 5 | Sa. | Take down Xmas greens ☿ in ♑ Peri. Tides {9.0 9.4} *gy feet.* | |
| 6 | F | Epiph. T.R. died 1919 ☾ on Eq. {8.9 9.1} *"He* | |
| 7 | M. | Plough Mon. Great floods & tides 1770 {8.9 8.8} *g iveth* | |
| 8 | Tu. | □♂☉ Wilson 14 pts. to Cong. 1914 Hol. La. {8.9 8.5} *snow* | |
| 9 | W. | ♂♂☾ Tortures of Julian 313 A.D. Tides {8.9 8.2} *like* | |
| 10 | Th. | ☌☿☉ Inf. Essex Mate incident 1820 {9.1 8.1} *wool."* | |
| 11 | Fr. | Gen. Butler died 1893 without a Harvard degree {9.4 8.2} *Never* | |
| 12 | Sa. | No sunshine fo one week 1859 {9.7 8.5} *above twenty,* | |
| 13 | F | 1st S. a. Ep. ☾ runs high. {10.2 8.9} *blows* | |
| 14 | M. | St. Hilary Coldest in year (14–25) {10.8 9.4} *a-plenty.* | |
| 15 | Tu. | ☿ Gr. Hel. Lat. N. [16th The "Wolf" full moon] {11.2 9.9} | |
| 16 | W. | ♂☊☾ ⚳ Stat. in R.A. ☾ in Peri. {11.6 10.4} *Three* | |
| 17 | Th. | 8.32″ rain (8–17) Boston 1955 Tides {11.7 —} *days* | |
| 18 | Fr. | Long Island Sound frozen solid 1847 Arbor Day—Fla. {10.7 11.7} *cold,* | |
| 19 | Sa. | ☾ on Eq. [20th ♂☌☾] Tides {10.8 11.4} | |
| 20 | F | 2 S. a. E. Inaugural Day—private {10.7 10.8} *three* | |
| 21 | M. | ♂☌♀ ☿ Stat. in R.A. Public {10.5 10.1} *days* | |
| 22 | Tu. | □♆☉ ♂♆☾ Sime dash 9:5—1956 {10.2 9.4} *colder.* | |
| 23 | W | Gray whales migrating ♀ in ♉ {9.9 8.8} *Aw, Maw,* | |
| 24 | Th. | ♂☊☉ 14″7″ snow 1941 {9.7 8.4} *a thaw.* | |
| 25 | Fr. | Conv. of Paul ♂♄☾ {9.5 8.2} *Blizzard* | |
| 26 | Sa. | Raccoons mating ☾ rides low Hol. Ark. Tides {9.4 8.2} *now* | |
| 27 | F | 3rd S. a. Ep. Audubon D. 1851 {9.5 8.3} *bom-* | |
| 28 | M | ♂☌☾ Panama R.R. 1st train 1855 Tides {9.6 8.4} *bards* | |
| 29 | Tu. | ♂♀☾ Rose Standish D. 1621 Tides {9.7 8.7} *the* | |
| 30 | W. | F.D.R. B. 1882 First photo Hol. advt. 1851 Ky. {9.8 8.9} *boule-* | |
| 31 | Th. | ☾ in Apo. Elliott-Austin duel 1806 {9.8 —} *vards.* | |

## ASTRONOMICAL CALCULATIONS.

☉'s Declination.

| Days | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 17s. 02 | 7 | 15 14 | 13 | 13 17 | 19 | 11 12 | 25 | 9 00 |
| 2 | 16 44 | 8 | 14 55 | 14 | 12 56 | 20 | 10 50 | 26 | 8 38 |
| 3 | 16 27 | 9 | 14 36 | 15 | 12 36 | 21 | 10 28 | 27 | 8 15 |
| 4 | 16 09 | 10 | 14 16 | 16 | 12 15 | 22 | 10 07 | 28 | 7 53 |
| 5 | 15 51 | 11 | 13 57 | 17 | 11 54 | 23 | 9 45 | | |
| 6 | 15 32 | 12 | 13 37 | 18 | 11 33 | 24 | 9 22 | | |

☽ First Quarter, 7th day, 6 h. 23 m., evening, W.

○ Full Moon, 14th day, 11 h. 38 m., morning, W.

☾ Last Quarter, 21st day, 7 h. 18 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 101-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | 1 | Fr. | 6 58 | M | 4 59 | E | 10 01 | 2 | 0 | 0 | $7^{P}_{M}02$ | H | $1^{P}_{M}10$ | PSC | 2 |
| 33 | 2 | Sa. | 6 57 | M | 5 00 | E | 10 04 | 2 | $0\frac{1}{2}$ | $0\frac{3}{4}$ | 8 00 | I | 1 51 | PSC | 3 |
| 34 | 3 | F | 6 55 | M | 5 01 | E | 10 06 | 2 | $1\frac{1}{4}$ | $1\frac{1}{4}$ | 8 59 | J | 2 33 | PSC | 4 |
| 35 | 4 | M. | 6 54 | M | 5 03 | E | 10 08 | 2 | $1\frac{3}{4}$ | 2 | 9 58 | K | 3 16 | ARI | 5 |
| 36 | 5 | Tu. | 6 53 | M | 5 04 | E | 10 11 | 2 | $2\frac{1}{2}$ | $2\frac{3}{4}$ | $10^{P}_{M}59$ | L | 4 00 | ARI | 6 |
| 37 | 6 | W. | 6 52 | M | 5 05 | E | 10 13 | 2 | $3\frac{1}{4}$ | $3\frac{1}{2}$ | — | — | 4 47 | TAU | 7 |
| 38 | 7 | Th. | 6 51 | M | 5 07 | E | 10 16 | 2 | 4 | $4\frac{1}{2}$ | $12^{A}_{M}01$ | M | 5 37 | TAU | 8 |
| 39 | 8 | Fr. | 6 50 | L | 5 08 | F | 10 18 | 2 | $4\frac{3}{4}$ | $5\frac{1}{4}$ | 1 03 | M | 6 30 | G'M | 9 |
| 40 | 9 | Sa. | 6 48 | L | 5 09 | F | 10 21 | 1 | $5\frac{3}{4}$ | $6\frac{1}{2}$ | 2 06 | N | 7 27 | G'M | 10 |
| 41 | 10 | F | 6 47 | L | 5 11 | F | 10 23 | 1 | $6\frac{3}{4}$ | $7\frac{1}{2}$ | 3 05 | N | 8 25 | CNC | 11 |
| 42 | 11 | M. | 6 46 | L | 5 12 | F | 10 26 | 1 | $7\frac{3}{4}$ | $8\frac{1}{2}$ | 4 01 | N | 9 25 | CNC | 12 |
| 43 | 12 | Tu. | 6 45 | L | 5 13 | F | 10 29 | 1 | $8\frac{3}{4}$ | $9\frac{1}{4}$ | 4 50 | M | 10 25 | LEO | 14 |
| 44 | 13 | W. | 6 43 | L | 5 14 | F | 10 31 | 1 | $9\frac{3}{4}$ | $10\frac{1}{4}$ | $5^{A}_{M}34$ | L | $11^{P}_{M}23$ | LEO | 15 |
| 45 | 14 | Th. | 6 42 | L | 5 16 | F | 10 34 | 1 | $10\frac{1}{2}$ | 11 | rises | — | — | — | — |
| 46 | 15 | Fr. | 6 40 | L | 5 17 | F | 10 37 | 2 | $11\frac{1}{2}$ | — | $6^{P}_{M}56$ | I | $12^{A}_{M}20$ | VIR | 16 |
| 47 | 16 | Sa. | 6 39 | L | 5 18 | F | 10 39 | 2 | 0 | $0\frac{1}{4}$ | 8 12 | J | 1 15 | VIR | 17 |
| 48 | 17 | F | 6 38 | L | 5 20 | F | 10 42 | 2 | $0\frac{3}{4}$ | $1\frac{1}{4}$ | 9 25 | K | 2 09 | LIB | 18 |
| 49 | 18 | M. | 6 36 | L | 5 21 | F | 10 45 | 2 | $1\frac{1}{2}$ | 2 | 10 35 | L | 3 02 | LIB | 19 |
| 50 | 19 | Tu. | 6 35 | L | 5 22 | F | 10 47 | 2 | $2\frac{1}{2}$ | 3 | $11^{P}_{M}42$ | M | 3 55 | SCO | 20 |
| 51 | 20 | W. | 6 33 | L | 5 23 | F | 10 50 | 2 | $3\frac{1}{4}$ | $3\frac{3}{4}$ | — | — | 4 47 | SCO | 21 |
| 52 | 21 | Th. | 6 32 | K | 5 25 | F | 10 53 | 2 | $4\frac{1}{4}$ | $4\frac{3}{4}$ | $12^{A}_{M}44$ | N | 5 39 | SGR | 22 |
| 53 | 22 | Fr. | 6 30 | K | 5 26 | G | 10 55 | 2 | $5\frac{1}{4}$ | 6 | 1 41 | N | 6 30 | SGR | 23 |
| 54 | 23 | Sa. | 6 29 | K | 5 27 | G | 10 58 | 2 | $6\frac{1}{4}$ | 7 | 2 32 | N | 7 21 | SGR | 24 |
| 55 | 24 | F | 6 27 | K | 5 28 | G | 11 01 | 2 | $7\frac{1}{4}$ | 8 | 3 17 | N | 8 09 | CAP | 25 |
| 56 | 25 | M. | 6 26 | K | 5 30 | G | 11 04 | 3 | $8\frac{1}{4}$ | $8\frac{3}{4}$ | 3 56 | M | 8 56 | CAP | 26 |
| 57 | 26 | Tu. | 6 24 | K | 5 31 | G | 11 07 | 3 | 9 | $9\frac{1}{2}$ | 4 30 | M | 9 42 | AQR | 27 |
| 58 | 27 | W. | 6 23 | K | 5 32 | G | 11 09 | 3 | $9\frac{3}{4}$ | $10\frac{1}{4}$ | 5 01 | L | 10 26 | AQR | 28 |
| 59 | 28 | Th. | 6 21 | K | 5 33 | G | 11 12 | 3 | $10\frac{1}{2}$ | $10\frac{3}{4}$ | $5^{A}_{M}29$ | K | $11^{A}_{M}08$ | AQR | 29 |

# FEBRUARY hath 28 days. [1957

Not wind, not rain, nor sleet
Can daunt him, here;
He knows . . . he knows
An inner way to meet
And stay his human fear
Of the wings' beat,
When the storm grows . . .
And many an earlier year,

There were like tales to tell,
Yet, all came well.

| D.M. | D.W. | Aspects, Holidays, Heights of High Water, Weather, etc. | |
|---|---|---|---|
| 1 | Fr. | St. Bridget [2nd ☾ on Eq.] {9.0 9.7} | *Gales* |
| 2 | Sa. | Pur. of Mary ☿ Gr. El. W. {9.2 9.7} | *East of* |
| 3 | F | 4th S. a. Ep. Ψ Stat. in R.A. {9.3 9.5} | *North,* |
| 4 | M. | Snowed 17.5 in. N.Y.C. 1920 Tides {9.3 9.2} | *don't* |
| 5 | Tu. | Roger & Agatha Williams arrived Boston 1631 Tides {9.4 8.9} | *go* |
| 6 | W. | ♂☌☾ Last survivor G.A.R.—106—1953 {9.3 8.6} | *forth.* |
| 7 | Th. | ☿ in ♉ 1st Antarctic landing 1821 {9.3 8.4} | *Milder,* |
| 8 | Fr. | Connie Mack D. 1956 Boy Scouts Fd. 1910 {9.4 8.3} | *then* |
| 9 | Sa. | The Constellation capt. the Insurgente 1799 Tides {9.5 8.3} | |
| 10 | F | 5th S. a. Ep. ☾ runs high {9.8 8.6} | *wilder.* |
| 11 | M. | Meteorite hit Norton, Kans. 1948 Tides {10.3 9.1} | *Rain* |
| 12 | Tu. | Lincoln's Birthday Hartford saw daytime stars 1831 | *raises* |
| 13 | W. | ♂☌☾ [14th ☾ in Peri] {11.3 10.3} | *Cain.* |
| 14 | Th. | St. Valentine The full "Snow" moon Hol. {11.6 Ariz. 10.9} | |
| 15 | Fr. | U.S. Maine blown up Havana 1898 {11.7 —} | *Winter's* |
| 16 | Sa. | Auld Deer worst in year ♂☍☾ ☾ on Eq. {11.2 11.7} | *worst* |
| 17 | F | Sept. S. ☽ ☍ ☉ {11.3 11.3} | *week may* |
| 18 | M. | ☿ in Aph. O'Brien shot put record 1956 {11.2 10.7} | *test* |
| 19 | Tu. | ♂Ψ☾ 60 tornadoes Gulf States 1884 {10.8 10.0} | *your* |
| 20 | W. | Paper 1st made from rags 1417 {10.8 9.2} | *physique.* |
| 21 | Th. | "Will Papa come no more?" 1802 Tides {9.8 8.6} | *The North* |
| 22 | Fr. | Wash. B'day ♂♄☾ ☾ rides low {9.4 8.1} | *wind* |
| 23 | Sa. | Am. drive towards Rhine 1945 Lowest P.M. {9.1 7.9} | |
| 24 | F | Scrag. S. Mat- thias High Tides {8.9 7.9} | *blows* |
| 25 | M. | Fox, Inv. of "portable penthouse"(umbrella) D. 1887 {9.0 8.2} | |
| 26 | Tu. | G.F. Smith—1st survivor supersonic bail-out, 1955 {9.1 8.4} | *then* |
| 27 | W. | ☿ in Aph, ☾ in Apo. Longfellow B. 1807 {9.3 8.7} | *it* |
| 28 | Th. | ♂☿☾ ♂☿☾ Tides {9.4 9.0} | *snows.* |

There never could be as many swinging doors as there are people brought up with them.

## Farmer's Calendar.

A farmer fighting it out on his drought-stricken lands is not as the burdened ass or the yoked oxen, though they are his brothers in patience. Theirs is the patience of endless servitude; his the patience of courage, intelligence, and hope.

These lands of his have known astonishing prosperity in the long "normal" years of rains. Now he has seen a half dozen successive years of "abnormal" drought. He believes (and God grant he be right) that this is a situation that cannot last. He just believes that he can outlast these terrible years.

He is an intelligent gambler in the hardest kind of game. He **must** hang on. Indeed he must. But here is the bitter kernel of it. How does he really know of this land that has been his for so few years what is normal in it and what abnormal? He doesn't. He can only return to the fact that he is a pioneer of chance — and faith.

If he has hung on for five or six years he **must** hang on now till he is ruined or triumphant. But he is not in on this gamble alone. He is not alone in his hope and courage. For the banks, the merchants, the churches, the civic leaders of his region are prepared to stand behind him till he must fail or they have nothing left to back him with.

We say of such people — HOW CAN THERE BE DEFEAT?

1957] MARCH, THIRD MONTH.

## ASTRONOMICAL CALCULATIONS.

☉'s Declination.

| Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7s. 30 | 7 | 5 11 | 13 | 2 50 | 19 | 0 28 | 25 | 1 54 |
| 2 | 7 07 | 8 | 4 48 | 14 | 2 27 | 20 | 0s. 04 | 26 | 2 17 |
| 3 | 6 44 | 9 | 4 24 | 15 | 2 03 | 21 | 0N. 19 | 27 | 2 41 |
| 4 | 6 21 | 10 | 4 01 | 16 | 1 39 | 22 | 0 43 | 28 | 3 04 |
| 5 | 5 58 | 11 | 3 37 | 17 | 1 15 | 23 | 1 07 | 29 | 3 28 |
| 6 | 5 35 | 12 | 3 14 | 18 | 0 52 | 24 | 1 30 | 30 | 3 51 |

● New Moon, 1st day, 11 h. 12 m., morning, E.
☽ First Quarter, 9th day, 6 h. 50 m., morning, E.
○ Full Moon, 15th day, 9 h. 22 m., evening, E.
☾ Last Quarter, 23rd day, 12 h. 4 m., morning, E.
● New Moon, 31st day, 4 h. 19 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 101-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 | 1 | Fr. | 6 19 | K | 5 35 | G | 11 15 | 3 | 11 | 11½ | sets | — | 11$^{A}_{M}$51 | PSC | 0 |
| 61 | 2 | Sa. | 6 18 | K | 5 36 | G | 11 18 | 4 | 11¾ | — | 6$^{P}_{M}$52 | J | 12$^{P}_{M}$33 | PSC | 1 |
| 62 | 3 | F | 6 16 | K | 5 37 | G | 11 21 | 4 | 0 | 0¼ | 7 51 | J | 1 15 | ARI | 2 |
| 63 | 4 | M. | 6 15 | K | 5 38 | H | 11 24 | 4 | 0½ | 1 | 8 51 | K | 2 00 | ARI | 3 |
| 64 | 5 | Tu. | 6 13 | J | 5 39 | H | 11 26 | 4 | 1¼ | 1½ | 9 53 | L | 2 45 | TAU | 4 |
| 65 | 6 | W. | 6 11 | J | 5 41 | H | 11 29 | 4 | 1¾ | 2¼ | 10 55 | M | 3 33 | TAU | 5 |
| 66 | 7 | Th. | 6 10 | J | 5 42 | H | 11 32 | 5 | 2½ | 3 | 11$^{P}_{M}$56 | N | 4 24 | TAU | 6 |
| 67 | 8 | Fr. | 6 08 | J | 5 43 | H | 11 35 | 5 | 3½ | 4 | — | — | 5 18 | G'M | 7 |
| 68 | 9 | Sa. | 6 06 | J | 5 44 | H | 11 38 | 5 | 4¼ | 5 | 12$^{A}_{M}$54 | N | 6 14 | G'M | 8 |
| 69 | 10 | F | 6 05 | J | 5 45 | H | 11 41 | 5 | 5¼ | 6 | 1 50 | N | 7 11 | CNC | 9 |
| 70 | 11 | M. | 6 03 | J | 5 46 | H | 11 44 | 6 | 6¼ | 7 | 2 40 | M | 8 09 | CNC | 10 |
| 71 | 12 | Tu. | 6 01 | J | 5 48 | H | 11 46 | 6 | 7½ | 8 | 3 25 | M | 9 06 | LEO | 11 |
| 72 | 13 | W. | 6 00 | J | 5 49 | H | 11 49 | 6 | 8½ | 9 | 4 08 | L | 10 02 | LEO | 12 |
| 73 | 14 | Th. | 5 58 | J | 5 50 | H | 11 52 | 6 | 9½ | 9¾ | 4$^{A}_{M}$42 | J | 10 57 | VIR | 13 |
| 74 | 15 | Fr. | 5 56 | J | 5 51 | I | 11 55 | 7 | 10¼ | 11¾ | rises | — | 11$^{P}_{M}$52 | VIR | 15 |
| 75 | 16 | Sa. | 5 54 | I | 5 52 | I | 11 58 | 7 | 11¼ | 11½ | 6$^{P}_{M}$58 | K | — | — | — |
| 76 | 17 | F | 5 53 | I | 5 53 | I | 12 00 | 7 | — | 0 | 8 12 | L | 12$^{A}_{M}$46 | LIB | 16 |
| 77 | 18 | M. | 5 51 | I | 5 54 | I | 12 04 | 8 | 0¼ | 0¾ | 9 22 | M | 1 40 | LIB | 17 |
| 78 | 19 | Tu. | 5 49 | I | 5 56 | I | 12 07 | 8 | 1¼ | 1¾ | 10 29 | M | 2 35 | SCO | 18 |
| 79 | 20 | W. | 5 47 | I | 5 57 | I | 12 09 | 8 | 2 | 2½ | 11$^{P}_{M}$30 | N | 3 29 | SCO | 19 |
| 80 | 21 | Th. | 5 46 | I | 5 58 | I | 12 12 | 9 | 2¾ | 3½ | — | — | 4 22 | SGR | 20 |
| 81 | 22 | Fr. | 5 44 | I | 5 59 | I | 12 15 | 9 | 3¾ | 4¼ | 12$^{A}_{M}$24 | N | 5 14 | SGR | 21 |
| 82 | 23 | Sa. | 5 42 | I | 6 00 | I | 12 18 | 9 | 4¾ | 5½ | 1 12 | N | 6 04 | CAP | 22 |
| 83 | 24 | F | 5 40 | I | 6 01 | I | 12 21 | 9 | 5¾ | 6½ | 1 56 | M | 6 52 | CAP | 23 |
| 84 | 25 | M. | 5 39 | I | 6 03 | I | 12 24 | 10 | 6¾ | 7½ | 2 30 | M | 7 39 | AQR | 24 |
| 85 | 26 | Tu. | 5 37 | I | 6 04 | I | 12 27 | 10 | 7¾ | 8¼ | 3 02 | L | 8 23 | AQR | 25 |
| 86 | 27 | W. | 5 35 | H | 6 05 | J | 12 30 | 10 | 8½ | 9 | 3 31 | K | 9 06 | AQR | 26 |
| 87 | 28 | Th. | 5 31 | H | 6 06 | J | 12 32 | 11 | 9¼ | 9¾ | 3 58 | J | 9 48 | PSC | 27 |
| 88 | 29 | Fr. | 5 32 | H | 6 07 | J | 12 35 | 11 | 10 | 10¼ | 4 24 | I | 10 30 | PSC | 28 |
| 89 | 30 | Sa. | 5 30 | H | 6 08 | J | 12 38 | 11 | 10½ | 10¾ | 4$^{A}_{M}$50 | H | 11 13 | ARI | 29 |
| 90 | 31 | F | 5 28 | H | 6 09 | J | 12 41 | 12 | 11¼ | 11½ | sets | — | 11$^{A}_{M}$57 | ARI | 0 |

## MARCH hath 31 days. [1957

The wind is north-northeast,
A bane to man and beast,
A whisper, then a roar
The rages at the door,

And tries the shuttered blind
For what it means to find . .

We'll say a prayer, my dear,
For men alone who hear
That sound, and no one near.

| D. M. | D. W. | Aspects, Holidays, Heights of High Water, Weather, etc. | |
|---|---|---|---|
| 1 | Fr. | St. David C. Swan Hol. D. 1935 Neb. Tides 9.5 9.3 | *Dusty* |
| 2 | Sa. | ☾ on ☌ Eq. Skunks now emerging Hol. Tex. 9.6 — | *and* |
| 3 | F | Quin. S. Crows about Tides 9.5 9.6 | *gusty.* |
| 4 | M. | □ ♄ ☉ USS Cyclops mystery 1918 Tides 9.6 9.5 | |
| 5 | Tu. | Shrove Tuesday Mardi Gras Hol. Ala. Ariz. Fla. 9.7 9.3 | *Rain,* |
| 6 | W. | Ash W. Abe Lincoln at Vincennes 1830 9.8 9.1 | *that* |
| 7 | Th. | Beware of Old Colind ☌ ☍ ☾ Hol. Cal. Tides 9.8 8.8 | *is* |
| 8 | Fr. | World Prayer Day Tides 9.7 8.6 | *plain.* |
| 9 | Sa. | ☾ runs high Floods 1936 and 1938 9.7 8.5 | *Seasonable* |
| 10 | F | 1st S. L. ☌ ☿ ♀ ☿ Gr. Hel. Lat. S 9.7 8.6 | |
| 11 | M. | Maple sap begins to run now Ember Week 9.9 8.9 | *meaning* |
| 12 | Tu. | St. Greg. ☌ ☉ ☾ Tides 10.2 9.5 | *miserable* |
| 13 | W. | Jas. Jordan held his breath 8:3 3-5 min. 1956 10.6 10.1 | *wea-* |
| 14 | Th. | Nashville tornado 1933 ☾ in Perl. 11.1 10.8 | *ther, snow* |
| 15 | Fr. | The Full "Worm" Moon ☾ on ☌ Eq. Hol. Tenn. 11.4 11.3 | *and* |
| 16 | Sa. | ☌ ☊ ☾ [17th ☌ ☊ ☉] 11.5 11.5 | *rain* |
| 17 | F | 2nd S. L. St. Pat. Purim Hol. Boston — 11.4 | *to-* |
| 18 | M. | ☌ ♆ ☾ [19 Swallows arr. th Capistrano[ ] 11.5 11.0 | *gether.* |
| 19 | Tu. | St. Jos. [20th ☌ ☿ ☉ Sup.] 11.3 10.4 | *Fair!* |
| 20 | W. | Spring begins 4.17 P.M. ☉ enters ♈ 10.9 9.7 | *Stays* |
| 21 | Th. | ☾ rides low ♀ Gr. Hel. Lat. S., ☌ ♄ ☾ 10.3 9.0 | *about* |
| 22 | Fr. | Oysters are spawning now 9.7 8.5 | *thirty, storms* |
| 23 | Sa. | ♄ Stat. in R.A. Polygamy abol. 1882 Tides 9.2 8.1 | *are* |
| 24 | F | 3rd S. L. Jules Verne D. 1905 8.8 7.9 | *dirty.* |
| 25 | M. | Lady Day Annun- ciation Hol. Md. 8.6 8.0 | *First* |
| 26 | Tu. | ☾ In Apo. Nine Men's Misery 1676 Tides 8.6 8.2 | *signs* |
| 27 | W. | U. S. Senate 1st opened its doors 1794 Tides 8.8 8.6 | *of* |
| 28 | Th. | Ten Midwest tornadoes on this day 1920 8.9 8.9 | *Spring* |
| 29 | Fr. | ☾ on ☌ Eq. ☿ in ♌ Wesley D. 1788 9.1 9.2 | *don't* |
| 30 | Sa. | "Seward's Folly" cost 7 million — 1867 Tides 9.3 9.5 | *mean* |
| 31 | F | 4th S. Lent ☌ ♀ ☾ 9.4 9.8 | *anything.* |

### Farmer's Calendar.

It seems to me that the business of growing things has become the world's most confused and contradictory field of endeavour. Take killing bugs. There are a great many ways to kill bugs, and all of them have their advocates. But the bugs are doing fine for themselves. And so it goes for killing weeds. Mulch 'em under, hoe 'em under, burn 'em out, grow 'em out. Everyone has his pet theory. But — you know weeds.

We would just say here — and this goes for sprays and dusts, fertilizing, harrowing, ploughing, et al.—that whereas sensible theories for agriculture have been evolved, there is much of the absurd that trips along with them. Too often a principle is created from a theory that is created to create a principle.

As safe middle-of-the-roaders, we believe, for example, that it is just common sense that humus alone cannot do all the work on a few thousand acres of potatoes; that a fertilizer containing nitrate, phosphoric acid, potash (rather than nitrate alone), plus "trace" elements, plus the use of crop rotation and a return of legumes to the soil constitute good practices.

We listen with a favorable ear to the creation of commercial soil that has humus and all the elements. We hope for a program of fertilizing and applications of poisons that will work each to the same end — a natural balance of destroying and growing.

## ASTRONOMICAL CALCULATIONS.

☉'s Declination.

| Days. | ° | ′ | Days. | ° | ′ | Days. | ° | ′ | Days. | ° | ′ | Days. | ° | ′ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 N. | 37 | 7 | 6 | 55 | 13 | 9 | 07 | 19 | 11 | 15 | 25 | 13 | 15 |
| 2 | 5 | 01 | 8 | 7 | 17 | 14 | 9 | 29 | 20 | 11 | 35 | 26 | 13 | 35 |
| 3 | 5 | 24 | 9 | 7 | 39 | 15 | 9 | 51 | 21 | 11 | 56 | 27 | 13 | 54 |
| 4 | 5 | 46 | 10 | 8 | 02 | 16 | 10 | 12 | 22 | 12 | 16 | 28 | 14 | 13 |
| 5 | 6 | 09 | 11 | 8 | 24 | 17 | 10 | 33 | 23 | 12 | 36 | 29 | 14 | 32 |
| 6 | 6 | 32 | 12 | 8 | 46 | 18 | 10 | 54 | 24 | 12 | 56 | 30 | 14 | 50 |

☽ First Quarter, 7th day, 3 h. 32 m., evening, E.

○ Full Moon, 14th day, 7 h. 09 m., morning, W.

☾ Last Quarter, 21st day, 6 h. 00 m., evening, W.

● New Moon, 29th day, 6 h. 54 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 101-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Even h. | ☽ Sets. h. m. | Key | ☽ Place. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | 1 | M. | 5 27 | H | 6 10 | J | 12 44 | 12 | 11¾ | — | 7$^{P}_{M}$46 | L | 12$^{P}_{M}$43 | ARI | 1 |
| 92 | 2 | Tu. | 5 25 | H | 6 12 | J | 12 47 | 12 | 0 | 0½ | 8 48 | M | 1 31 | TAU | 2 |
| 93 | 3 | W. | 5 23 | H | 6 13 | J | 12 50 | 12 | 0¾ | 1¼ | 9 49 | M | 2 22 | TAU | 3 |
| 94 | 4 | Th. | 5 21 | H | 6 14 | J | 12 52 | 13 | 1½ | 1¾ | 10 49 | N | 3 14 | G'M | 4 |
| 95 | 5 | Fr. | 5 20 | H | 6 15 | J | 12 55 | 13 | 2¼ | 2¾ | 11$^{P}_{M}$45 | N | 4 09 | G'M | 5 |
| 96 | 6 | Sa. | 5 18 | H | 6 16 | J | 12 58 | 13 | 3 | 3½ | — | — | 5 05 | CNC | 7 |
| 97 | 7 | F | 5 16 | H | 6 17 | K | 13 01 | 14 | 4 | 4½ | 12$^{A}_{M}$35 | N | 6 01 | CNC | 8 |
| 98 | 8 | M. | 5 15 | G | 6 18 | K | 13 04 | 14 | 5 | 5½ | 1 21 | M | 6 56 | LEO | 9 |
| 99 | 9 | Tu. | 5 13 | G | 6 19 | K | 13 07 | 14 | 6 | 6¾ | 2 01 | L | 7 51 | LEO | 10 |
| 100 | 10 | W. | 5 11 | G | 6 21 | K | 13 09 | 14 | 7 | 7¾ | 2 38 | K | 8 44 | VIR | 11 |
| 101 | 11 | Th. | 5 10 | G | 6 22 | K | 13 12 | 15 | 8 | 8½ | 3 12 | J | 9 37 | VIR | 12 |
| 102 | 12 | Fr. | 5 08 | G | 6 23 | K | 13 15 | 15 | 9 | 9½ | 3 45 | I | 10 31 | LIB | 13 |
| 103 | 13 | Sa. | 5 06 | G | 6 24 | K | 13 18 | 15 | 10 | 10¼ | 4$^{A}_{M}$19 | H | 11$^{P}_{M}$25 | LIB | 14 |
| 104 | 14 | F | 5 05 | G | 6 25 | K | 13 20 | 15 | 10¾ | 11¼ | rises | — | — | — | — |
| 105 | 15 | M. | 5 03 | G | 6 26 | K | 13 23 | 16 | 11¾ | — | 8$^{P}_{M}$07 | M | 12$^{A}_{M}$19 | SCO | 15 |
| 106 | 16 | Tu. | 5 02 | G | 6 27 | K | 13 26 | 16 | 0 | 0½ | 9 13 | N | 1 14 | SCO | 16 |
| 107 | 17 | W. | 5 00 | G | 6 28 | K | 13 29 | 16 | 0¾ | 1¼ | 10 12 | N | 2 08 | SGR | 17 |
| 108 | 18 | Th. | 4 58 | G | 6 30 | K | 13 31 | 16 | 1½ | 2¼ | 11 04 | N | 3 02 | SGR | 18 |
| 109 | 19 | Fr. | 4 57 | G | 6 31 | K | 13 34 | 17 | 2¼ | 3 | 11$^{P}_{M}$49 | N | 3 55 | SGR | 19 |
| 110 | 20 | Sa. | 4 55 | F | 6 32 | L | 13 37 | 17 | 3¼ | 3¾ | — | — | 4 45 | CAP | 20 |
| 111 | 21 | F | 4 54 | F | 6 33 | L | 13 39 | 17 | 4 | 4¾ | 12$^{A}_{M}$28 | M | 5 33 | CAP | 21 |
| 112 | 22 | M. | 4 52 | F | 6 34 | L | 13 42 | 17 | 5 | 5¾ | 1 02 | L | 6 18 | AQR | 22 |
| 113 | 23 | Tu. | 4 51 | F | 6 35 | L | 13 45 | 17 | 6 | 6¾ | 1 32 | K | 7 02 | AQR | 23 |
| 114 | 24 | W. | 4 49 | F | 6 36 | L | 13 47 | 18 | 7 | 7½ | 2 00 | K | 7 44 | PSC | 24 |
| 115 | 25 | Th. | 4 48 | F | 6 37 | L | 13 50 | 18 | 7¾ | 8¼ | 2 26 | J | 8 26 | PSC | 25 |
| 116 | 26 | Fr. | 4 46 | F | 6 39 | L | 13 52 | 18 | 8¾ | 9 | 2 53 | I | 9 09 | PSC | 26 |
| 117 | 27 | Sa. | 4 45 | F | 6 40 | L | 13 55 | 18 | 9¼ | 9¾ | 3 20 | H | 9 52 | ARI | 27 |
| 118 | 28 | F | 4 43 | F | 6 41 | L | 13 58 | 18 | 10 | 10¼ | 3$^{A}_{M}$49 | G | 10 38 | ARI | 28 |
| 119 | 29 | M. | 4 42 | F | 6 42 | L | 14 00 | 18 | 10¾ | 11 | sets | — | 11$^{A}_{M}$26 | TAU | 29 |
| 120 | 30 | Tu. | 4 41 | F | 6 43 | L | 14 03 | 19 | 11½ | 11½ | 7$^{P}_{M}$41 | M | 12$^{P}_{M}$16 | TAU | 1 |

## APRIL hath 30 days. [1957

The meadow-grasses suddenly greened and shone,
Crowding even the insensate stone.

And something like had touched the field within:
The man had changed from what the man had been:

Even the grey stone in the breast ringed round
With meadow-flowers altering what they found.

| D. M. | D. W. | Aspects, Holidays, Heights of High Water, Weather, Etc. | |
|---|---|---|---|
| 1 | M. | Cain born 4003 Abel slain B.C. ☌☿☾ {9.4 — | *Foggy* |
| 2 | Tu. | Frog's eggs seen now are timetabled below Tides {10.0 9.4 | *along* |
| 3 | W. | ☿ in Perl. Corn bu. 1817 Two Dollars {10.1 9.3 | *coast,* |
| 4 | Th. | ☌☌☾ Galloping Dick exec. 1800 {10.2 9.1 | *inland* |
| 5 | Fr. | ☾ runs high Jess Willard def. Jack Johnson 1915 {10.2 9.0 | *you'll* |
| 6 | Sa. | Peter Martyr assass. 1252 Tides {10.0 8.8 | *roast.* |
| 7 | F | ✠ Pas. ✠. 5th in Lent Jesus cruc. 30 A.D. 3P.M. {9.9 8.6 | |
| 8 | M. | Snowed Naples, Maine and Italy 1956 ☌☉☾ {9.8 8.0 | *Here's* |
| 9 | Tu. | LaSalle named Miss. R. Valley "Louisiana" 1682 {9.9 9.4 | *a sur-* |
| 10 | W. | ♁ Stat. Va. settled ☉ in R.A. by Eng. 1610 {10.1 9.9 | *prise —* |
| 11 | Th. | ☾ in Peri. ☾ on Eq. McArthur relieved 1951 {10.4 10.5 | *ex-* |
| 12 | Fr. | ☌♌☾ Salk vaccine app'd 1955 Hol. N.C. {10.7 11.0 | *pect six* |
| 13 | Sa. | ☿ Gr. Hel. Lat. N. [14th ☌☿☾] Hol. Mo. Okla., Va. | *nice* |
| 14 | F | ✠ P. ✠. ☌☿☉ Sup. The full "Pink" Moon | *days* |
| 15 | M. | ☿ Gr. El. E. Inc. Tax due Tides {10.8 — | *at* |
| 16 | Tu. | First Day Quake Passover R.I. 1949 {11.5 10.4 | *sunrise.* |
| 17 | W. | Sardines N.H. set-running tled 1623 ☌♄☾ {11.2 10.0 | *April* |
| 18 | Th. | Maundy Thursday ☾ runs low The Last Supper {10.8 9.4 | *showers* |
| 19 | Fr. | Good Fri. Patriots' Day Hol. States {10.2 8.9 | *etc.* |
| 20 | Sa. | North Pacific closed for nuclear tests 1956 Tides {9.6 8.5 | *etc.* |
| 21 | F | Easter Day ☌☿☉ Hol. Texas {9.1 8.2 | |
| 22 | M. | Order of Gar. fd. 1344 Fast Day, N.H. Hol. Okla. Neb., N.C. {8.7 8.1 | |
| 23 | Tu. | Tanana R. ice out 1 A.M. ☾ in Apo. □☉☉ {8.5 8.2 | |
| 24 | W. | The tadpoles now have 20 filaments {8.4 8.5 | *Nothing* |
| 25 | Th. | St. Mark ☾ on Eq. ☿ Stat. in R.A. {8.5 8.8 | *wrong* |
| 26 | Fr. | Pirate Whidah Mem. Day wrecked 1718 Ala., Fla., Ga., Miss. {8.6 9.1 | |
| 27 | Sa. | S.S. Sultana expl. 1865-1450 die. {8.8 9.5 | *here except* |
| 28 | F | 1st S. a. E. Low D.S.T. Sun. begins {9.0 9.8 | *last big* |
| 29 | M. | ☉ Annular Eclipse Balt.-Wash. quake 1852 {9.1 10.1 | *snow of* |
| 30 | Tu. | ☌☿☾ ☌☿☾☾ Tides {9.2 10.4 | *the year.* |

Daylight saving. Clocks set ahead one hr.—28th.

### Farmer's Calendar.

I never knew that my neighbour Bill ploughed so pretty a furrow till he showed me an airplane picture of his place. It took me some time to figure out that it was his place with all those lovely lines and curves and twirls and walls so straight, and the barns looking all four square with pretty shadows running away from them. It didn't show the sag in his barn roof and a lot of other things like the broken back steps and the dead limbs on his apple trees. But after I studied it some, I could see that for all it looked so nice and different, it was Bill's place.

When Bill had gone, I said to Ma that if an airplane picture can do that to his place, I guess it can certainly do it to ours. So we had the picture taken, though we didn't let on to Bill. I don't know that I ever did get hit so hard as when I looked at that picture. From the air my place couldn't hold a candle to Bill's. My furrows were all wavery and too deep or too shallow and didn't follow the contour lines like Bill's did (he had kept talking about that in his picture). My orchard wasn't my orchard at all but something laid out all askew, and the stone walls looked like flat pancakes, and I could see the brush all along them.

It appears to me that until I can get things straightened out here and fresh pictures taken, Ma and I just won't say anything about this picture. We'll just save it to work from.

1957] MAY, FIFTH MONTH.

## ASTRONOMICAL CALCULATIONS.

| ☉'s Declination. | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 15N.08 | 7 | 16 52 | 13 | 18 26 | 19 | 19 49 | 25 | 20 59 |
| | 2 | 15 26 | 8 | 17 08 | 14 | 18 41 | 20 | 20 01 | 26 | 21 10 |
| | 3 | 15 44 | 9 | 17 25 | 15 | 18 55 | 21 | 20 13 | 27 | 21 20 |
| | 4 | 16 01 | 10 | 17 40 | 16 | 19 09 | 22 | 20 25 | 28 | 21 30 |
| | 5 | 16 19 | 11 | 17 56 | 17 | 19 22 | 23 | 20 37 | 29 | 21 39 |
| | 6 | 16 36 | 12 | 18 11 | 18 | 19 36 | 24 | 20 48 | 30 | 21 48 |

☽ First Quarter, 6th day, 9 h. 29 m., evening, W.

○ Full Moon, 13th day, 5 h. 34 m., evening, E.

☾ Last Quarter, 21st day, 12 h. 03 m., evening, W.

● New Moon, 29th day, 6 h. 39 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 101-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 121 | 1 | W. | 4 39 | F | 6 44 | L | 14 05 | 19 | — | 0 | 8PM42 | N | 1PM09 | G'M | 2 |
| 122 | 2 | Th. | 4 38 | F | 6 45 | M | 14 08 | 19 | 0¼ | 0¾ | 9 40 | N | 2 04 | G'M | 3 |
| 123 | 3 | Fr. | 4 36 | E | 6 46 | M | 14 10 | 19 | 1 | 1½ | 10 33 | N | 3 01 | CNC | 4 |
| 124 | 4 | Sa. | 4 35 | E | 6 48 | M | 14 12 | 19 | 1¾ | 2½ | 11PM20 | M | 3 57 | CNC | 5 |
| 125 | 5 | F | 4 34 | E | 6 49 | M | 14 15 | 19 | 2¾ | 3¼ | — | — | 4 52 | CNC | 6 |
| 126 | 6 | M. | 4 33 | E | 6 50 | M | 14 17 | 19 | 3½ | 4¼ | 12AM02 | L | 5 46 | LEO | 7 |
| 127 | 7 | Tu. | 4 31 | E | 6 51 | M | 14 19 | 19 | 4¾ | 5¼ | 12 39 | K | 6 39 | LEO | 8 |
| 128 | 8 | W. | 4 30 | E | 6 52 | M | 14 22 | 19 | 5¾ | 6¼ | 1 13 | J | 7 30 | VIR | 9 |
| 129 | 9 | Th. | 4 29 | E | 6 53 | M | 14 24 | 19 | 6¾ | 7¼ | 1 45 | I | 8 22 | VIR | 10 |
| 130 | 10 | Fr. | 4 28 | E | 6 54 | M | 14 26 | 19 | 7¾ | 8¼ | 2 17 | H | 9 14 | LIB | 11 |
| 131 | 11 | Sa. | 4 27 | E | 6 55 | M | 14 28 | 19 | 8¾ | 9¼ | 2 51 | G | 10 06 | LIB | 12 |
| 132 | 12 | F | 4 26 | E | 6 56 | M | 14 31 | 19 | 9¾ | 10 | 3AM27 | F | 11 00 | SCO | 13 |
| 133 | 13 | M. | 4 24 | E | 6 57 | M | 14 33 | 19 | 10½ | 10¾ | rises | — | 11PM55 | SCO | 14 |
| 134 | 14 | Tu. | 4 23 | E | 6 58 | M | 14 35 | 20 | 11¼ | 11½ | 7PM57 | N | — | — | — |
| 135 | 15 | W. | 4 22 | E | 6 59 | M | 14 37 | 20 | — | 0¼ | 8 52 | N | 12AM49 | SGR | 15 |
| 136 | 16 | Th. | 4 21 | D | 7 00 | N | 14 39 | 19 | 0¼ | 1 | 9 41 | N | 1 43 | SGR | 16 |
| 137 | 17 | Fr. | 4 20 | D | 7 01 | N | 14 41 | 19 | 1 | 1¾ | 10 24 | M | 2 35 | CAP | 17 |
| 138 | 18 | Sa. | 4 19 | D | 7 02 | N | 14 43 | 19 | 2 | 2½ | 11 00 | M | 3 25 | CAP | 18 |
| 139 | 19 | F | 4 18 | D | 7 03 | N | 14 45 | 19 | 2¾ | 3¼ | 11PM32 | L | 4 12 | AQR | 19 |
| 140 | 20 | M. | 4 18 | D | 7 04 | N | 14 47 | 19 | 3½ | 4¼ | — | — | 4 56 | AQR | 20 |
| 141 | 21 | Tu. | 4 17 | D | 7 05 | N | 14 49 | 19 | 4½ | 5 | 12AM01 | K | 5 39 | AQR | 21 |
| 142 | 22 | W. | 4 16 | D | 7 06 | N | 14 50 | 19 | 5¼ | 6 | 12 28 | J | 6 22 | PSC | 22 |
| 143 | 23 | Th. | 4 15 | D | 7 07 | N | 14 52 | 19 | 6¼ | 6¾ | 12 54 | I | 7 04 | PSC | 24 |
| 144 | 24 | Fr. | 4 14 | D | 7 08 | N | 14 54 | 19 | 7 | 7½ | 1 20 | H | 7 46 | ARI | 25 |
| 145 | 25 | Sa. | 4 14 | D | 7 09 | N | 14 56 | 19 | 8 | 8¼ | 1 48 | G | 8 31 | ARI | 26 |
| 146 | 26 | F | 4 13 | D | 7 10 | N | 14 57 | 19 | 8¾ | 9 | 2 19 | F | 9 17 | ARI | 27 |
| 147 | 27 | M. | 4 12 | D | 7 11 | N | 14 59 | 19 | 9½ | 9¾ | 2 54 | F | 10 07 | TAU | 28 |
| 148 | 28 | Tu. | 4 12 | D | 7 12 | N | 15 00 | 19 | 10¼ | 10½ | 3AM34 | E | 10 59 | TAU | 29 |
| 149 | 29 | W. | 4 11 | D | 7 13 | N | 15 02 | 18 | 11 | 11¼ | sets | — | 11AM55 | G'M | 0 |
| 150 | 30 | Th. | 4 11 | D | 7 13 | N | 15 03 | 18 | 11¾ | — | 8 27 | N | 12PM52 | G'M | 1 |
| 151 | 31 | Fr. | 4 10 | D | 7 14 | N | 15 04 | 18 | 0 | 0½ | 9PM17 | M | 1 50 | CNC | 2 |

# MAY hath 31 days. [1957

How many springs
Are a fair lot
For any man?

(Say he has had seventy,
For his share),

And May arrives,
And a bird sings——
And there's a change of air!

There is dancing in his mind,
Outrageously, and he
Is generous, and kind . . .

Look! . . . He is praying,
With seventy springs
Behind his saying:
Lovely! I thank thee, Lord,
For this.

| D. M. | D. W. | Aspects, Holidays, Heights of High Water, Weather, etc. | Farmer's Calendar. |
|---|---|---|---|
| 1 | W. | Philip & James Cherry bl. 1828 Tides 9.3 | *Enjoy* |
| 2 | Th. | ☾ runs high ☌☿♀ Calif. elec. 10.5 9.3 | *the fun,* |
| 3 | Fr. | Invention of Cross ☌☍☾ 10.6 9.3 | *Spring has* |
| 4 | Sa. | Kentucky Derby Coral Sea '42 Indep. Day, R.I. 10.5 9.3 | *be-* |
| 5 | F | 2nd a. E. Trans. of ☿☌☿☉ 10.3 9.3 | *gun.* |
| 6 | M. | ☌☊☾ ☿ in ♉ Tide- 10.1 9.3 | *Winter* |
| 7 | Tu. | Medford Mass. 1646 forbade use tobacco exc. 5 mi. fr. home | 10.0 9.5 *just* |
| 8 | W. | ☾ in Peri German surrender 1945 Tides 9.9 9.8 | *past* |
| 9 | Th. | ☾ on Eq. ☌♃☾ John Brown born 1800 9.9 10.3 | *flings* |
| 10 | Fr. | The "Dogwood Winter" (9-14) Mem. Day N. & S.C. | 10 0 10 7 *a part-* |
| 11 | Sa. | Three Chilly Saints (11-13 [12 th ☌☿☾] | 10.2 11.1 *ing cold* |
| 12 | F | 3rd af. E. Mother's Day | 10.2 11.3 *blast.* |
| 13 | M. | Total eclipse of the moon Pius IX B. 1792 Tides | 10.2 11.4 |
| 14 | Tu | The full "Flower" Moon Boston Trans. cript def. 1941 | 10.1 11.3 |
| 15 | W. | ☾ rides low ☌♄☾ Cape Cod disc. 1602 — 9.8 | *Humid.* |
| 16 | Th. | ☿ in ♌ Last of Brink robbers capt. 1956 | 11.0 9.5 *Fair* |
| 17 | Fr. | Apples in bloom ☿ in Aph. Tides | 10 6 9.2 *and* |
| 18 | Sa. | Armed Forces Day ☿ Stat. in R.A. | 10.1 8.9 *cooler* |
| 19 | F | 4th a. E. ♃ Stat. in R.A. Ore. Elec. | 9.6 8.7 *say* |
| 20 | M. | Frogs' gills now disappear Hol. N.C. | 9.1 8.5 *the con-* |
| 21 | Tu. | ☾ in Apo. Air dropped H Bomb '56 | 8.7 8.5 *ventional* |
| 22 | W. | Nat'l Maritime Day Burr Trial 1807 | 8.5 8.5 *but* |
| 23 | Th. | Sleighing Farmington, Maine—1858 ☾ on Eq. | 8.3 8.7 *actually* |
| 24 | Fr. | H.M.S. Hood sunk 1941 Oregon Floods 1948 | 8.3 9.0 *the* |
| 25 | Sa. | Disastrous freeze seedlings fruits New England 1956 | 8.4 9.4 *rain's* |
| 26 | F | Rog. S. 5th S. af. E. Mt. Wash. Ry. beg. 1866 | 8.6 9.7 |
| 27 | M. | ☌☿☾ Boston-Lowell Ry. op. 1835 | 8.8 10.1 *so bad* |
| 28 | | 1st Imp. Solar eclipse 584 B.C. Minor Rogation | 9.0 10.5 *it* |
| 29 | | Everest Cong. 1953 [30 th ☌♀☾] Days | 9.2 10.7 *is* |
| 30 | | MEMORIAL D. Ascension ☾ runs high | 9.4 — *un-* |
| 31 | Fr. | 1st U.S. Bike Meet New Port, R.I. 1880 | 10.9 9.6 *mentionable* |

Our own old farmhouse is set high upon a hill with a view over valley and river, straight to the great blue mountain. It is ours every day of our lives, a threshold to the sky, one with shadows and storm and clouds. I am glad that we can always look to it, but I am not sure that I should not be just as glad if we could not.

This has been a thought I have pondered ever since we visited for a few days with a good friend. She had built her house to suit her needs and placed it where she would.

The house is in a corner of her land that places it between the houses and the friendly picket fences of two neighbors. Her front door and garden and its picket fence are met by the meadow and elm trees with a pattern of leaves against patches of sky. That is her view. Had she chosen she might have built beyond the elms or under them and looked forever over blue mountains and the sea.

I asked her why she had not done so. "I very nearly did," she replied. "I had planned my house beneath the elms. But then I found myself always, as I walked to the spot through the meadow, with a feeling of wonderful expectation, as if I were sure to find something I had never seen before. And so I built my house here. I didn't want to spoil the view. And I haven't—since I must walk to find it."

## ASTRONOMICAL CALCULATIONS.

| ☉'s Declination. | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 22 N. 05 | 7 | 22 46 | 13 | 23 13 | 19 | 23 26 | 25 | 23 23 | | |
| | 2 | 22 13 | 8 | 22 52 | 14 | 23 16 | 20 | 23 26 | 26 | 23 21 | | |
| | 3 | 22 20 | 9 | 22 57 | 15 | 23 19 | 21 | 23 27 | 27 | 23 19 | | |
| | 4 | 22 27 | 10 | 23 02 | 16 | 23 21 | 22 | 23 26 | 28 | 23 16 | | |
| | 5 | 22 34 | 11 | 23 06 | 17 | 23 23 | 23 | 23 26 | 29 | 23 13 | | |
| | 6 | 22 40 | 12 | 23 10 | 18 | 23 25 | 24 | 23 25 | 30 | 23 10 | | |

☽ First Quarter, 5th day, 2 h. 10 m., morning, W.

○ Full Moon, 12th day, 5 h. 2 m., morning, W.

☾ Last Quarter, 20th day, 5 h. 22 m., morning, E.

● New Moon, 27th day, 3 h. 53 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 101-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 152 | 1 | Sa. | 4 09 | D | 7 15 | N | 15 06 | 18 | 0¾ | 0¼ | 10 P M 01 | M | 2 P M 47 | CNC | 3 |
| 153 | 2 | F | 4 09 | D | 7 16 | O | 15 07 | 18 | 1½ | 1¼ | 10 39 | L | 3 42 | LEO | 4 |
| 154 | 3 | M. | 4 08 | C | 7 16 | O | 15 08 | 18 | 2½ | 3 | 11 15 | K | 4 36 | LEO | 5 |
| 155 | 4 | Tu. | 4 08 | C | 7 17 | O | 15 09 | 18 | 3¼ | 4 | 11 P M 48 | I | 5 28 | VIR | 6 |
| 156 | 5 | W. | 4 08 | C | 7 18 | O | 15 10 | 17 | 4¼ | 5 | — | — | 6 19 | VIR | 7 |
| 157 | 6 | Th. | 4 07 | C | 7 19 | O | 15 11 | 17 | 5½ | 6 | 12 A M 20 | H | 7 09 | LIB | 9 |
| 158 | 7 | Fr. | 4 07 | C | 7 19 | O | 15 12 | 17 | 6½ | 7 | 12 52 | G | 8 00 | LIB | 10 |
| 159 | 8 | Sa. | 4 07 | C | 7 20 | O | 15 13 | 17 | 7½ | 8 | 1 27 | F | 8 52 | SCO | 11 |
| 160 | 9 | F | 4 07 | C | 7 20 | O | 15 14 | 17 | 8½ | 8¾ | 2 05 | E | 9 46 | SCO | 12 |
| 161 | 10 | M. | 4 06 | C | 7 21 | O | 15 15 | 16 | 9½ | 9¾ | 2 46 | E | 10 39 | SGR | 13 |
| 162 | 11 | Tu. | 4 06 | C | 7 22 | O | 15 15 | 16 | 10¼ | 10½ | 3 A M 32 | D | 11 P M 33 | SGR | 14 |
| 163 | 12 | W. | 4 06 | C | 7 22 | O | 15 16 | 16 | 11 | 11¼ | rises | — | — | — | — |
| 164 | 13 | Th. | 4 06 | C | 7 22 | O | 15 16 | 16 | 11¾ | — | 8 P M 20 | M | 12 A M 26 | CAP | 15 |
| 165 | 14 | Fr. | 4 06 | C | 7 23 | O | 15 17 | 16 | 0 | 0½ | 8 58 | M | 1 16 | CAP | 16 |
| 166 | 15 | Sa. | 4 06 | C | 7 23 | O | 15 17 | 15 | 0¾ | 1¼ | 9 31 | L | 2 05 | CAP | 17 |
| 167 | 16 | F | 4 06 | C | 7 24 | O | 15 18 | 15 | 1½ | 2 | 10 02 | K | 2 50 | AQR | 18 |
| 168 | 17 | M. | 4 06 | C | 7 24 | O | 15 18 | 15 | 2¼ | 2¾ | 10 30 | J | 3 34 | AQR | 19 |
| 169 | 18 | Tu. | 4 06 | C | 7 24 | O | 15 18 | 15 | 3 | 3½ | 10 56 | J | 4 17 | PSC | 20 |
| 170 | 19 | W. | 4 06 | C | 7 25 | O | 15 18 | 15 | 3¾ | 4¼ | 11 22 | I | 4 59 | PSC | 21 |
| 171 | 20 | Th. | 4 06 | C | 7 25 | O | 15 19 | 14 | 4½ | 5 | 11 P M 49 | H | 5 41 | PSC | 22 |
| 172 | 21 | Fr. | 4 07 | C | 7 25 | O | 15 19 | 14 | 5½ | 6 | — | — | 6 24 | ARI | 23 |
| 173 | 22 | Sa. | 4 07 | C | 7 25 | O | 15 19 | 14 | 6¼ | 6¾ | 12 A M 18 | G | 7 09 | ARI | 24 |
| 174 | 23 | F | 4 07 | C | 7 26 | O | 15 19 | 14 | 7¼ | 7½ | 12 50 | F | 7 56 | TAU | 25 |
| 175 | 24 | M. | 4 07 | C | 7 26 | O | 15 18 | 13 | 8 | 8½ | 1 27 | E | 8 47 | TAU | 26 |
| 176 | 25 | Tu. | 4 08 | C | 7 26 | O | 15 18 | 13 | 9 | 9¼ | 2 10 | D | 9 41 | G'M | 27 |
| 177 | 26 | W. | 4 08 | C | 7 26 | O | 15 18 | 13 | 9¾ | 10 | 3 A M 00 | D | 10 38 | G'M | 28 |
| 178 | 27 | Th. | 4 08 | C | 7 26 | O | 15 17 | 13 | 10½ | 10¾ | sets | — | 11 A M 36 | CNC | 29 |
| 179 | 28 | Fr. | 4 09 | C | 7 26 | O | 15 17 | 12 | 11¼ | 11½ | 7 P M 56 | M | 12 P M 35 | CNC | 1 |
| 180 | 29 | Sa. | 4 09 | C | 7 26 | O | 15 16 | 11 | — | 0¼ | 8 39 | L | 1 33 | LEO | 2 |
| 181 | 30 | F | 4 10 | C | 7 26 | O | 15 16 | 11 | 0½ | 1 | 9 P M 17 | K | 2 P M 29 | LEO | 3 |

# JUNE hath 30 days. [1957

The thing I mean is what
The morning bird
Has meant, day after day:

Not difficult, and not
A puzzling word:
It has one thing to say.

One syllable, like "Joy" . . .
Ask any bird,
Or any whistling boy.

| D. M. | D. W. | Aspects, Holidays, Heights of High Water, Weather, etc. | Farmer's Calendar. |
|---|---|---|---|
| 1 | Sa. | Nicomede ☌♂☾ ☍♄☉ ☿ Gr. El. W. {11.0 9.7 | The auctioneer and the crowd have gone. The old hotel is sold. I am alone with it now in the shadows of the wisteria. The blossoms wag placidly in the June breeze just as they have for three generations of rocking chair brigades. Those dear, comfortable, middle-aged folks drowsing and chatting and knitting. How amiably, how sweetly they rocked away the afternoons here. |
| 2 | F | 1st a. A. ☾ in Peri. ☌♂☾ {10.9 9.7 | |
| 3 | M. | Rare transit Venus 1769 Mem. Day 6 So. States {10.7 9.8 | |
| 4 | Tu. | Michellimackinac Massacre 1763 {10.4 9.9 | |
| 5 | W. | SHAVUOTH ☾ on Eq. ☌♃☾ {10.1 10.0 | |
| 6 | Th. | ☿ Gr. Hel. Lat. S. Lusitania Launch 1906 {9.8 10.2 | |
| 7 | Fr. | Laurel now blooms southern New England {9.6 10.4 | |
| 8 | Sa. | ☌♆☾ The frogs now get hind legs & lungs {9.5 10.6 | |
| 9 | F | Pent.—W. Sun. {9.5 10.8 | |
| 10 | M. | Year's earliest sunrises 10–20 Ember Week {9.5 10.9 | |
| 11 | Tu. | St. Barnabas □♄☾ {9.5 11.0 | |
| 12 | W. | The full "Hot" Moon ☾ rides low □♃☉ {9.5 10.9 | |
| 13 | Th. | Conn. State Navy Launch 1776 Tides {9.4 — | |
| 14 | Fr. | Flag Day Hol. Pa. Tides {10.6 9.3 | |
| 15 | Sa. | Robot bombs hit England 1944 Hol. Ida. {10.3 9.2 | |
| 16 | F | Trinity S. Father's Day {10.0 9.0 | |
| 17 | M. | Bunker Hill Day Hol. 1 Co. Mass. {9.6 8.9 | |
| 18 | Tu. | Frogs get forelegs and big mouth ☾ in Apo {9.2 8.8 | |
| 19 | W. | ☾ on Eq. ♀ in Peri Longest days 19, 20. {8.9 8.8 | |
| 20 | Th. | Corpus Christi U. S. Seal adopt. 1782 Hol. W. Va. {8.6 8.9 | |
| 21 | Fr. | Sum. begins 11.21 A.M. ☉ en. ♋ {8.3 9.0 | |
| 22 | Sa. | Year's latest sunsets 23-30 Tides {8.2 9.2 | |
| 23 | F | 2nd af. P. Frogs lose their tails Tides {8.3 9.5 | |
| 24 | M. | John the Baptist born ♂ Gr. Hel. Lat. N. {8.4 9.9 | |
| 25 | Tu. | ☿ in ☊ Ch. Communists inv. S. Korea 1950 Tides {8.7 10.3 | |
| 26 | W. | ☾ runs high Dionysius disc. Solar Yr. 285 B.C. {9.0 10.7 | |
| 27 | Th. | ☌☿☾ Newburyport tornado 1808 Tides {9.4 11.1 | |
| 28 | Fr. | [29th ☌♀☾ ☌♂☉ ☌☉☾] {9.7 11.3 | |
| 29 | Sa. | ☌♂☾☿ in Peri Marry today Good luck always {— 10.0 | |
| 30 | F | 2nd a. Tr. ☾ in Peri. Tides {11.4 10.2 | |

June's hottest days will be February's coldest.

But gone now, gone. Gone with the mansard roof and the iron deer, the porte-cochere and the watering troughs. Gone with the livery stables and the horse-drawn hotel bus and patient old Ned and Ben and their attendant sparrows. Gone with the clacking of croquet balls. Gone with the creak of stays and the sigh of silks and the rustle of linens. Gone, gone, but not so long as this ancient photograph remains. I have it somewhere.

A young man in a striped blazer stands with straw hat pressed gallantly to his heart as he gazes at a dark-eyed beauty stylish in ample white blouse, a dark liberty bell skirt, and a most tantalizing crisp white bow at her slender waist. Her hands clasp behind her a croquet mallet and her glance is not unresponsive to the young man's. Uncle George, whose rocker by the steps is next this tableau, gazes enraptured while the rocking chair brigade cranes eagerly.

God bless you, old brigade. In your Valhalla of eternal porches, long may you crane and rock.

1957] JULY, SEVENTH MONTH.

## ASTRONOMICAL CALCULATIONS.

☉'s Declination.

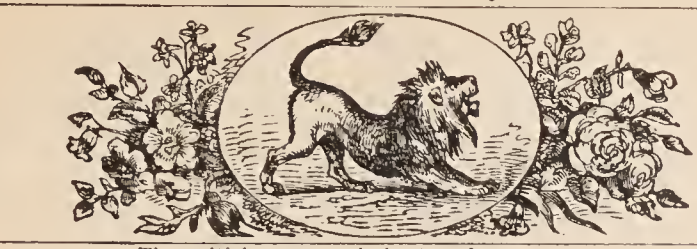
| Days. | ° ′ | Days. | ° ′ | Days. | ° ′ | Days. | ° ′ | Days. | ° ′ | Days. | ° ′ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23 N. 06 | 7 | 22 34 | 13 | 21 48 | 19 | 20 49 | 25 | 19 37 | | |
| 2 | 23 02 | 8 | 22 27 | 14 | 21 39 | 20 | 20 38 | 26 | 19 24 | | |
| 3 | 22 57 | 9 | 22 20 | 15 | 21 30 | 21 | 20 26 | 27 | 19 10 | | |
| 4 | 22 52 | 10 | 22 13 | 16 | 21 20 | 22 | 20 14 | 28 | 18 56 | | |
| 5 | 22 46 | 11 | 22 05 | 17 | 21 10 | 23 | 20 02 | 29 | 18 42 | | |
| 6 | 22 40 | 12 | 21 57 | 18 | 21 00 | 24 | 19 50 | 30 | 18 28 | | |

☽ First Quarter, 4th day, 7 h. 9 m., morning, E.
○ Full Moon, 11th day, 5 h. 50 m., evening, E.
☾ Last Quarter, 19th day, 9 h. 17 m., evening, E.
● New Moon, 26th day, 11 h. 28 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 101-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 182 | 1 | M. | 4 10 | C | 7 25 | O | 15 15 | 12 | 1¼ | 1¾ | 9 P M 51 | J | 3 P M 23 | VIR | 4 |
| 183 | 2 | Tu. | 4 11 | C | 7 25 | O | 15 15 | 12 | 2¼ | 2¾ | 10 24 | I | 4 15 | VIR | 5 |
| 184 | 3 | W. | 4 11 | C | 7 25 | O | 15 14 | 12 | 3 | 3¾ | 10 56 | H | 5 07 | LIB | 6 |
| 185 | 4 | Th. | 4 12 | C | 7 25 | O | 15 13 | 11 | 4 | 4½ | 11 P M 29 | G | 5 59 | LIB | 7 |
| 186 | 5 | Fr. | 4 12 | C | 7 25 | O | 15 12 | 11 | 5 | 5½ | — | — | 6 49 | SCO | 8 |
| 187 | 6 | Sa. | 4 13 | C | 7 24 | O | 15 11 | 11 | 6 | 6½ | 12 A M 06 | F | 7 42 | SCO | 9 |
| 188 | 7 | F | 4 14 | C | 7 24 | O | 15 10 | 11 | 7¼ | 7½ | 12 45 | E | 8 34 | SGR | 10 |
| 189 | 8 | M. | 4 14 | C | 7 24 | O | 15 09 | 11 | 8¼ | 8½ | 1 29 | D | 9 27 | SGR | 11 |
| 190 | 9 | Tu. | 4 15 | C | 7 23 | O | 15 08 | 11 | 9¼ | 9¼ | 2 18 | D | 10 19 | SGR | 12 |
| 191 | 10 | W. | 4 16 | C | 7 23 | N | 15 07 | 11 | 10 | 10¼ | 3 A M 11 | D | 11 10 | CAP | 13 |
| 192 | 11 | Th. | 4 17 | D | 7 22 | N | 15 06 | 10 | 10¾ | 11 | rises | — | 11 P M 59 | CAP | 14 |
| 193 | 12 | Fr. | 4 17 | D | 7 22 | N | 15 05 | 10 | 11½ | 11½ | 7 P M 32 | L | — | — | — |
| 194 | 13 | Sa. | 4 18 | D | 7 21 | N | 15 03 | 10 | — | 0 | 8 05 | L | 12 A M 46 | AQR | 15 |
| 195 | 14 | F | 4 19 | D | 7 21 | N | 15 02 | 10 | 0¼ | 0¾ | 8 33 | K | 1 30 | AQR | 16 |
| 196 | 15 | M. | 4 20 | D | 7 20 | N | 15 00 | 10 | 1 | 1½ | 9 00 | J | 2 14 | AQR | 17 |
| 197 | 16 | Tu. | 4 21 | D | 7 19 | N | 14 59 | 10 | 1¾ | 2¼ | 9 24 | I | 2 56 | PSC | 18 |
| 198 | 17 | W. | 4 21 | D | 7 19 | N | 14 57 | 10 | 2¼ | 2¾ | 9 51 | H | 3 37 | PSC | 19 |
| 199 | 18 | Th. | 4 22 | D | 7 18 | N | 14 56 | 10 | 3 | 3½ | 10 19 | G | 4 19 | ARI | 21 |
| 200 | 19 | Fr. | 4 23 | D | 7 17 | N | 14 54 | 10 | 4 | 4¼ | 10 49 | F | 5 02 | ARI | 22 |
| 201 | 20 | Sa. | 4 24 | D | 7 16 | N | 15 52 | 10 | 4¾ | 5¼ | 11 P M 23 | E | 5 48 | TAU | 23 |
| 202 | 21 | F | 4 25 | D | 7 16 | N | 14 51 | 9 | 5¾ | 6 | — | — | 6 36 | TAU | 24 |
| 203 | 22 | M. | 4 26 | D | 7 15 | N | 14 49 | 9 | 6½ | 7 | 12 A M 03 | E | 7 28 | TAU | 25 |
| 204 | 23 | Tu. | 4 27 | D | 7 14 | N | 14 47 | 9 | 7½ | 7¾ | 12 49 | D | 8 22 | G'M | 26 |
| 205 | 24 | W. | 4 28 | D | 7 13 | N | 14 45 | 9 | 8½ | 8¾ | 1 42 | D | 9 19 | G'M | 27 |
| 206 | 25 | Th. | 4 29 | D | 7 12 | N | 14 43 | 9 | 9¼ | 9½ | 2 A M 25 | D | 10 A M 18 | CNC | 28 |
| 207 | 26 | Fr. | 4 30 | D | 7 11 | N | 14 41 | 9 | 10¼ | 10½ | sets | — | 11 17 | CNC | 29 |
| 208 | 27 | Sa. | 4 31 | D | 7 10 | N | 14 39 | 9 | 11 | 11¼ | 7 P M [illegible] | K | 12 M 15 | LEO | 1 |
| 209 | 28 | F | 4 32 | E | 7 09 | M | 14 37 | 9 | 11¾ | — | 7 49 | J | 1 12 | LEO | 2 |
| 210 | 29 | M. | 4 33 | E | 7 08 | M | 14 35 | 9 | 0¼ | 0¾ | 8 24 | I | 2 07 | VIR | 3 |
| 211 | 30 | Tu. | 4 34 | E | 7 07 | M | 14 33 | 9 | 1 | 1½ | 8 58 | H | 3 00 | VIR | 4 |
| 212 | 31 | W. | 4 35 | E | 7 06 | M | 14 31 | 9 | 1¾ | 1¼ | 9 P M 32 | G | 3 P M 53 | LIB | 5 |

## JULY hath 31 days. [1957



The multiple grass, the intimate and gay,
Eager, and faithful, always pressing near,
Would seem to have some word for us to hear.
Lovers like us, it may be, on some day,
Will lean their heads to listen, close to ground,
Where green immoderate speech has somehow found
A word so thrilling they will stay for this,
Each turned away from where the other is,
Each lost to each, and even forget to kiss.

| D.M. | D.W. | Aspects, Holidays, Heights of High Water, Weather, etc. | |
|---|---|---|---|
| 1 | M. | Berksbire heat wave 1864 Dominion Day {11.8 10.4 | *Cooler* |
| 2 | Tu. | Visit. of Mary ☾ on Eq. ⊕ in Aph. {11.0 10.4 | *and* |
| 3 | W. | Frogs, now adults pursue romance ♂ ☌ ☾ {10.6 10.4 | *floods.* |
| 4 | Th. | Ind. Day ♂ ☿ ☉ Sup. {10.1 10.3 | *Winds* |
| 5 | Fr. | ♂ ♆ ☾ ♂ ♀ ♁ Tides {9.6 10.8 | *from* |
| 6 | Sa. | Kansas R. flood July 1951 Major Midwest disaster {9.8 10.3 | *south* |
| 7 | F | 4th a ♇. St. Frances Cabrini {9.0 10.8 | *will* |
| 8 | M. | ♂ ♄ ☾ Sullivan knuckled Kilrain 1889 {8.9 10.4 | *not* |
| 9 | Tu. | ☾ rides low Mt. Spurr erupt. 1953 Tides {9.0 10.4 | *bring* |
| 10 | W. | ☿ Gr.Hel. Lat. N. [11th ♀ Gr.Hel. Lat. N.] {9.0 10.5 | *drouth.* |
| 11 | Th. | The Full "Buck" Moon ♂ ♀ ♂ {9.1 10.4 | *Mostly* |
| 12 | Fr. | ♆ Stat. in R.A. Hottest day of year Tides {9.2 10.3 | *fine* |
| 13 | Sa. | World Record-46" rain Luzon 1911 Hol. Tenn. {— 9.2 | *except* |
| 14 | F | 4th a. ☾ r. Rain tomorrow. More will follow {10.1 9.3 | *for* |
| 15 | M. | St. Swithin ☾ in Apo ♂ ☿ ♁ {9.9 9.3 | *thunder* |
| 16 | Tu. | World's 1st nuclear expl., New Mex., 1945 ☾ on Eq. | *storms* |
| 17 | W. | Heavy rains and floods 1938, 1942. {9.3 9.2 | *numbering* |
| 18 | Th. | "Qui transtulit sustinet" 1775 {9.0 9.1 | *one* |
| 19 | Fr. | "God will give you blood to drink" — Sarah Good 1692 {8.7 9.1 | *hun-* |
| 20 | Sa. | St. Margaret Tides {8.4 9.2 | *dred and* |
| 21 | F | 6th S a. ♇. Pittsburg Riots 1877 {8.2 9 8 | *twenty* |
| 22 | M. | Mary Magdalene □ ♆ ☉ Tides {8.2 9.6 | *nine.* |
| 23 | Tu. | ☾ runs high ♂ ☿ ♂ Tides {8.4 10.0 | *Have* |
| 24 | W. | S.S. Eastland upset Chicago R. 1915-1812 d. Hol. Utah {8.8 10.5 | *a* |
| 25 | Th. | Dog Days begin Ponies penned and Assateague, Va. {9.2 10.9 | |
| 26 | Fr. | England took Gibraltar 1704—won't give it back {9.8 11.4 | *care, cy-* |
| 27 | Sa. | ♂ ♁ ☾ [28th ☾ in Peri. ♂ ♂ ☾] {10.3 11.6 | *clones* |
| 28 | F | 6th S. a. ☾. ♂ ☿ ☾ {10.7 — | *are here* |
| 29 | M. | Earth Satellite Plan Ann. 1955 {11.7 10.9 | *and* |
| 30 | Tu. | ☾ on Eq. ♂ ♁ ☉ ♂ ☌ ☾ ♂ in Aph. {11.5 11.0 | |
| 31 | W. | World War I began 1914 {11.1 10.9 | *there.* |

**Farmer's Calendar.**

I think brevity can be a very tiresome and dangerous thing. In fact I think brevity in word or deed anywhere or anyhow has become vastly overrated. I really prefer the maunderings of a tiresome bore to the crude brusqueness that I meet everywhere—on office walls, along our highways, in hospital corridors, etc. "Stop! Go! Silence! Think!" I much prefer the gracious turn the French can give to such signs. If they have to be brief, which their splendid language seldom allows them to be, they usually have the courtesy to add "if you please."

Now I think brevity when carried to American extremes can not only be rude but downright dangerous to the minds of our youth, not to mention the minds of their papas and mamas, though I am not much interested in **them.** If many more generations of Gertrudes and Johnnies continue to be addressed or answered by their parents in a series of monosyllabic grunts, that's all that Johnny and Gertrude are going to have. Just grunts.

These unpleasant noises are seldom heard abroad. From bored Englishmen on bank holidays—granted, or by any number of Germans when gathered together, of course. Otherwise, seldom. And I don't like to hear these noises here. Because the worst of it is they are **thought** noises. Must we truncate all the sweet nuances of thought, the alliterations, the connotations? Get me a Kentucky Colonel. Quick!

1957] AUGUST, Eighth Month.

ASTRONOMICAL CALCULATIONS.

| ☉'s Declination. | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 17 58 | 7 | 16 22 | 13 | 14 37 | 19 | 12 43 | 25 | 10 42 |
| | 2 | 17 43 | 8 | 16 05 | 14 | 14 18 | 20 | 12 23 | 26 | 10 21 |
| | 3 | 17 27 | 9 | 15 48 | 15 | 14 00 | 21 | 12 03 | 27 | 10 00 |
| | 4 | 17 11 | 10 | 15 31 | 16 | 13 41 | 22 | 11 43 | 28 | 9 39 |
| | 5 | 16 55 | 11 | 15 13 | 17 | 13 22 | 23 | 11 23 | 29 | 9 17 |
| | 6 | 16 39 | 12 | 14 55 | 18 | 13 02 | 24 | 11 02 | 30 | 8 56 |

☽ First Quarter, 2nd day, 1 h. 55 m., evening, E.
○ Full Moon, 10th day, 8 h. 8 m., morning, W.
☾ Last Quarter, 18th day, 11 h. 16 m., morning, W.
● New Moon, 25th day, 6 h. 32 m., morning, E.
☽ First Quarter, 31st day, 11 h. 34 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 101-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

| Day of Year | Day of Month | Day of the Week | ☺ Rises. h. m. | Key | ☺ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 213 | 1 | Th. | 4 36 | E | 7 05 | M | 14 29 | 10 | 2¾ | 3¼ | 10P M 08 | F | 4P M 46 | LIB | 6 |
| 214 | 2 | Fr. | 4 37 | E | 7 03 | M | 14 27 | 10 | 3¾ | 4¼ | 10 46 | E | 5 38 | SCO | 7 |
| 215 | 3 | Sa. | 4 38 | E | 7 02 | M | 14 24 | 10 | 4¾ | 5¼ | 11P M 29 | E | 6 31 | SCO | 8 |
| 216 | 4 | F | 4 39 | E | 7 01 | M | 14 22 | 10 | 5¾ | 6¼ | — | — | 7 24 | SGR | 9 |
| 217 | 5 | M. | 4 40 | E | 7 00 | M | 14 20 | 10 | 7 | 7¼ | 12A M 16 | D | 8 16 | SGR | 10 |
| 218 | 6 | Tu. | 4 41 | E | 6 58 | M | 14 18 | 10 | 8 | 8¼ | 1 07 | D | 9 06 | CAP | 11 |
| 219 | 7 | W. | 4 42 | E | 6 57 | M | 14 15 | 10 | 8¾ | 9 | 2 02 | D | 9 55 | CAP | 12 |
| 220 | 8 | Th. | 4 43 | E | 6 56 | L | 14 13 | 10 | 9¾ | 9¾ | 2 59 | E | 10 43 | AQR | 13 |
| 221 | 9 | Fr. | 4 44 | E | 6 55 | L | 14 11 | 10 | 10½ | 10½ | 3A M 57 | F | 11P M 28 | AQR | 14 |
| 222 | 10 | Sa. | 4 45 | E | 6 53 | L | 14 08 | 11 | 11 | 11¼ | rises | — | — | — | — |
| 223 | 11 | F | 4 46 | F | 6 52 | L | 14 06 | 11 | 11¾ | 11¾ | 7P M 04 | J | 12A M 11 | AQR | 15 |
| 224 | 12 | M. | 4 47 | F | 6 50 | L | 14 03 | 11 | — | 0¼ | 7 30 | I | 12 54 | PSC | 16 |
| 225 | 13 | Tu. | 4 48 | F | 6 49 | L | 14 01 | 11 | 0½ | 1 | 7 56 | H | 1 36 | PSC | 17 |
| 226 | 14 | W. | 4 49 | F | 6 48 | L | 13 58 | 11 | 1¼ | 1½ | 8 23 | H | 2 18 | ARI | 18 |
| 227 | 15 | Th. | 4 50 | F | 6 46 | L | 13 56 | 11 | 1¾ | 2¼ | 8 52 | G | 3 00 | ARI | 19 |
| 228 | 16 | Fr. | 4 51 | F | 6 45 | L | 13 53 | 12 | 2½ | 3 | 9 24 | F | 3 44 | ARI | 20 |
| 229 | 17 | Sa. | 4 53 | F | 6 43 | L | 13 51 | 12 | 3¼ | 3¾ | 10 00 | E | 4 30 | TAU | 21 |
| 230 | 18 | F | 4 54 | F | 6 42 | L | 13 48 | 12 | 4 | 4½ | 10 42 | E | 5 19 | TAU | 22 |
| 231 | 19 | M. | 4 55 | F | 6 40 | L | 13 46 | 12 | 5 | 5½ | 11P M 31 | D | 6 10 | G'M | 23 |
| 232 | 20 | Tu. | 4 56 | F | 6 39 | L | 13 43 | 12 | 6 | 6½ | — | — | 7 05 | G'M | 24 |
| 233 | 21 | W. | 4 57 | F | 6 37 | L | 13 40 | 13 | 7 | 7¼ | 12A M 28 | D | 8 01 | CNC | 25 |
| 234 | 22 | Th. | 4 58 | F | 6 35 | L | 13 38 | 13 | 8 | 8¼ | 1 33 | E | 8 59 | CNC | 26 |
| 235 | 23 | Fr. | 4 59 | F | 6 34 | K | 13 35 | 13 | 8¾ | 9¼ | 2 43 | E | 9 57 | LEO | 27 |
| 236 | 24 | Sa. | 5 00 | G | 6 32 | K | 13 32 | 13 | 9¾ | 10 | 3A M 57 | F | 10A M 55 | LEO | 28 |
| 237 | 25 | F | 5 01 | G | 6 31 | K | 13 30 | 14 | 10½ | 11 | sets | — | 11 51 | VIR | 0 |
| 238 | 26 | M. | 5 02 | G | 6 29 | K | 13 27 | 14 | 11½ | 11¾ | 6P M 54 | I | 12P M 47 | VIR | 1 |
| 239 | 27 | Tu. | 5 03 | G | 6 27 | K | 13 24 | 14 | — | 12¼ | 7 30 | G | 1 42 | LIB | 2 |
| 240 | 28 | W. | 5 04 | G | 6 26 | K | 13 22 | 15 | 12¾ | 1 | 8 06 | F | 2 36 | LIB | 3 |
| 241 | 29 | Th. | 5 05 | G | 6 24 | K | 13 19 | 15 | 1½ | 2 | 8 45 | F | 3 31 | SCO | 4 |
| 242 | 30 | Fr. | 5 06 | G | 6 23 | K | 13 16 | 15 | 2½ | 2¾ | 9 27 | E | 4 25 | SCO | 5 |
| 243 | 31 | Sa. | 5 07 | G | 6 21 | K | 13 13 | 15 | 3½ | 3¾ | 10P M 14 | D | 5P M 19 | SGR | 6 |

## AUGUST hath 31 days. [1957

The broken sky showed just enough of blue
To be a scrap of singing, overhead,
Not loud, and not for long—phrase or two:
But something sung, where most is merely said.

One man who saw it thought it was deed
Done in the sky, and for a personal need.

| D.M. | D.W. | Aspects, Holidays, Heights of High Water, Weather, etc. | Farmer's Calendar. |
|---|---|---|---|
| 1 | Th. | Lammas Day ☌♆☾ Hol. {10.6 Col. {10.7 *Even a* | The farmer who doesn't know what lies over the line in the next county very often doesn't know what lies in his own. There surely are offered today all kinds of chances to get around and see things. Indeed a farmer with an inquiring mind attends not only in summer and fall, but throughout the year, demonstrations of machinery, planting, growing, or whatnot. The best of it is the variety of free, interested government or state or county agencies that can serve him—often come right down to his door to do it. Farm education is certainly more than an annual excursion to the county fair. But that's no excuse **not** to go to all the fairs you can. You and Ma, of course.<br>Then, too, there is that mighty needed service—and a lot of it free, say what you will—from the fellows who are selling to you. We not only respect these friends for their ability and the products they sell but because they are so often friends when we are in need.<br>We saw just how that worked a little while ago when our liqui-duster broke down in the midst of an all-important orchard period. The machine had to run and the fellow who had sold it to us came right off. You don't fix this kind of machine with bailing wire, and the part that was needed was at the other end of the state. He got it, put it on, stayed while we made the application in time. Business with a heart, I call it. |
| 2 | Fr. | ☿ in ♉ Boysen Dam ded. 1952 {10.0 {10.4 *Hottentot* | |
| 3 | Sa. | Hurricane Connie 3-13-1955 Tides {9.4 {10.2 *will* | |
| 4 | F | Sth a. ♅. ☌♄☾ {8.9 {10.0 *call it* | |
| 5 | M. | Sodom & Gom. overthrown ☾rides low Tides {8.6 {9.9 *hot.* | |
| 6 | Tu. | Trans. 'Shaker" Ann Lee arr. 1774 {8.6 {9.9 *This is* | |
| 7 | W. | Name of Jesus Jet altitude rec. 79494-1951 {8.6 {9.9 *the* | |
| 8 | Th. | Cap'n Nat. B. Palmer (Disc. Antarctica) B. 1799 {8.8 {10.0 *design,* | |
| 9 | Fr. | First steam loco. train 1831 Tides {9.0 {10.0 *storms* | |
| 10 | Sa. | Fiery teared St. Laurence The full "Sturgeon" Moon {9.2 {10.0 | |
| 11 | F | Sth a. ☾. Barbados hurr. 1831 {9.3 {9.9 *along the* | |
| 12 | M. | ☾in Apo ♄Stat. in R.A. ☿in Aph. {— {9.5 *Line.* | |
| 13 | Tu. | ☾on Eq. ☿Gr. El. E. {9.8 {9.5 *Changeable.* | |
| 14 | W. | Hay fever season (13th) Victory Day Ark., R.I. Tides {9.6 {9.5 | |
| 15 | Th. | Assum. Rained 3" Hartford, Ct. 1769 animals {9.3 {9.5 *Cool* | |
| 16 | Fr. | Battle Bennington, Vt. Novia Scotia cyclone 1873 {9.0 {9.5 *is* | |
| 17 | Sa. | Cat nights commence Albany fire 1848 Tides {8.7 {9.4 *the* | |
| 18 | F | 10.th a. ♅. U.S. Flag over Santa Fe 1846 {8.4 {9.4 *rule.* | |
| 19 | M. | Floods of Conn. 1955 make State's "Blackest Day" {8.3 {9.5 *Gale* | |
| 20 | Tu. | ☾ runs high The Gauntlet abol. 1854 Tides {8.3 {9.7 *with* | |
| 21 | W | Columbus sailed for America 1492 Tides {8.6 {10.1 *hail* | |
| 22 | Th. | ☌☿♃ 1st U.S. Steamboat (Fitch) 1787 {9.0 {10.6 *and* | |
| 23 | Fr. | ☌♇☉ ☌♁☾ Tides {9.6 {11.1 *frost* | |
| 24 | Sa. | St. Bartholomew Tides {10.3 {11.5 *on its* | |
| 25 | F | 10th ☾. a. ☾r. ☾in Peri {10.9 {11.7 *tail.* | |
| 26 | M. | ☾on Eq. ☌♂☾ ☿Stat. in R.A. {11.3 {11.8 *Wise* | |
| 27 | Tu. | ☌♃☾ ☌♀☾ Tides {— {11.5 *fellers* | |
| 28 | W. | Riley's Brig "Commerce" wrecked African Coast 1815 {11.5 {11.5 *will* | |
| 29 | Th. | John Baptist beheaded ☌♆☾ Cal. Elec. {11.1 {11.2 *carry* | |
| 30 | Fr. | St. Fiacrius Gale 1949 Hol. La. Tides {10.4 {10.8 *um-* | |
| 31 | Sa. | □♄☉ ☌♄☾ Tides {9.7 {10.3 *brellas.* | |

## ASTRONOMICAL CALCULATIONS.

☉'s Declination.

| Days. | 0 / | Days. | 0 / | Days | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8N.13 | 7 | 6 00 | 13 | 3 43 | 19 | 1 24 | 25 | 0 56 | | |
| 2 | 7 51 | 8 | 5 37 | 14 | 3 20 | 20 | 1 01 | 26 | 1 19 | | |
| 3 | 7 29 | 9 | 5 15 | 15 | 2 57 | 21 | 0 38 | 27 | 1 43 | | |
| 4 | 7 07 | 10 | 4 52 | 16 | 2 34 | 22 | 0N.14 | 28 | 2 06 | | |
| 5 | 6 45 | 11 | 4 29 | 17 | 2 11 | 23 | 0s. 09 | 29 | 2 29 | | |
| 6 | 6 22 | 12 | 4 06 | 18 | 1 48 | 24 | 0 32 | 30 | 2 53 | | |

○ Full Moon, 8th day, 11 h. 55 m., evening, W.
☾ Last Quarter, 16th day, 11 h. 2 m., evening, E.
● New Moon, 23rd day, 2 h. 18 m., evening, W.
☽ First Quarter, 30th day, 12 h. 49 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 101-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 244 | 1 | F | 5 08 | G | 6 19 | K | 13 11 | 16 | 4½ | 4¾ | 11M04 | D | 6M12 | SGR | 7 |
| 245 | 2 | M. | 5 10 | G | 6 17 | K | 13 08 | 16 | 5½ | 5¾ | 11M58 | D | 7 03 | CAP | 8 |
| 246 | 3 | Tu. | 5 11 | G | 6 16 | K | 13 05 | 16 | 6½ | 7 | — | — | 7 53 | CAP | 10 |
| 247 | 4 | W. | 5 12 | G | 6 14 | K | 13 02 | 17 | 7½ | 7¾ | 12AM54 | E | 8 40 | CAP | 11 |
| 248 | 5 | Th. | 5 13 | H | 6 12 | J | 13 00 | 17 | 8½ | 8¾ | 1 52 | E | 9 26 | AQR | 12 |
| 249 | 6 | Fr. | 5 14 | H | 6 11 | J | 12 57 | 17 | 9¼ | 9½ | 2 50 | F | 10 10 | AQR | 13 |
| 250 | 7 | Sa. | 5 15 | H | 6 09 | J | 12 54 | 18 | 10 | 10¼ | 3AM48 | G | 10 53 | PSC | 14 |
| 251 | 8 | F | 5 16 | H | 6 07 | J | 12 51 | 18 | 10½ | 10¾ | rises | — | 11PM35 | PSC | 15 |
| 252 | 9 | M. | 5 17 | H | 6 05 | J | 12 48 | 18 | 11¼ | 11½ | 6M01 | I | — | — | — |
| 253 | 10 | Tu. | 5 18 | H | 6 04 | J | 12 46 | 19 | 11¾ | — | 6 27 | H | 12AM17 | PSC | 16 |
| 254 | 11 | W. | 5 19 | H | 6 02 | J | 12 43 | 19 | 0 | 0¼ | 6 56 | G | 12 59 | ARI | 17 |
| 255 | 12 | Th. | 5 20 | H | 6 00 | J | 12 40 | 19 | 0¾ | 1 | 7 26 | F | 1 44 | ARI | 18 |
| 256 | 13 | Fr. | 5 21 | H | 5 58 | J | 12 37 | 20 | 1¼ | 1½ | 8 01 | E | 2 28 | TAU | 19 |
| 257 | 14 | Sa. | 5 22 | H | 5 57 | J | 12 34 | 20 | 2 | 2¼ | 8 40 | E | 3 16 | TAU | 20 |
| 258 | 15 | F | 5 23 | H | 5 55 | J | 12 32 | 20 | 2¾ | 3 | 9 25 | D | 4 05 | G'M | 21 |
| 259 | 16 | M. | 5 24 | H | 5 53 | J | 12 30 | 21 | 3½ | 4 | 10 17 | D | 4 57 | G'M | 22 |
| 260 | 17 | Tu. | 5 25 | I | 5 51 | I | 12 26 | 21 | 4½ | 4¾ | 11PM17 | E | 5 51 | G'M | 23 |
| 261 | 18 | W. | 5 26 | I | 5 49 | I | 12 23 | 22 | 5½ | 6 | — | — | 6 46 | CNC | 24 |
| 262 | 19 | Th. | 5 28 | I | 5 48 | I | 12 20 | 22 | 6½ | 7 | 12AM22 | E | 7 42 | CNC | 25 |
| 263 | 20 | Fr. | 5 29 | I | 5 46 | I | 12 17 | 22 | 7½ | 8 | 1 32 | F | 8 38 | LEO | 26 |
| 264 | 21 | Sa. | 5 30 | I | 5 44 | I | 12 15 | 23 | 8½ | 9 | 2 46 | G | 9 34 | LEO | 27 |
| 265 | 22 | F | 5 31 | I | 5 42 | I | 12 12 | 23 | 9¼ | 9¾ | 4AM01 | H | 10 29 | VIR | 28 |
| 266 | 23 | M. | 5 32 | I | 5 41 | I | 12 09 | 23 | 10¼ | 10¾ | sets | — | 11AM25 | VIR | 29 |
| 267 | 24 | Tu. | 5 33 | I | 5 39 | I | 12 06 | 24 | 11 | 11½ | 5PM59 | G | 12PM20 | LIB | 1 |
| 268 | 25 | W. | 5 34 | I | 5 37 | I | 12 03 | 24 | 11¾ | — | 6 37 | F | 1 16 | LIB | 2 |
| 269 | 26 | Th. | 5 35 | I | 5 35 | I | 12 00 | 24 | 0¼ | 0¾ | 7 20 | E | 2 13 | SCO | 3 |
| 270 | 27 | Fr. | 5 36 | I | 5 34 | I | 11 57 | 25 | 1¼ | 1½ | 8 07 | E | 3 09 | SCO | 4 |
| 271 | 28 | Sa. | 5 37 | J | 5 32 | I | 11 55 | 25 | 2 | 2½ | 8 58 | D | 4 04 | SGR | 5 |
| 272 | 29 | F | 5 38 | J | 5 30 | H | 11 52 | 25 | 3 | 3¼ | 9 52 | D | 4 57 | SGR | 6 |
| 273 | 30 | M. | 5 39 | J | 5 28 | H | 11 49 | 26 | 4 | 4¼ | 10PM48 | E | 5PM48 | CAP | 7 |

## SEPTEMBER hath 30 days. [1957

He asked himself how blue this blue must be
Before a blue contagion took the shore,
And golden sands became another sea;
How long, as well, a man must gaze and gaze
At the blue air around him, everywhere,
Before it enter, by mysterious ways,
The mind, the heart, and all be heavenly blue,
And round and whole and happy as this air—
And suddenly, then and there, he knew.

| D.M. | D.W. | Aspects, Holidays, Heights of High Water, Weather, etc. | Farmer's Calendar. |
|---|---|---|---|
| 1 | F | 12th ☽ a. ♇. ☾ rides low. Tides 9.1 9.9 | *Fall* |
| 2 | M. | Labor Day ☿ Gr. Hel. Lat. S. Tides 8.6 9.5 | *is* |
| 3 | Tu. | Stock market high 1939 Lorenzo Dow M. 1804 Tides 8.4 9.4 | *near,* |
| 4 | W. | California heat wave 1955—1 to 14th Tides 8.4 9.4 | *cool* |
| 5 | Th. | Dog days end ☿ in ♍ ☌ ☿ ♂ Tides 8.5 9.4 | *and* |
| 6 | Fr. | Cape Cod cranberry harvest about now Tides 8.8 9.5 | *clear.* |
| 7 | Sa. | ♅ Gr. Hel. Lat. N. [8th ☾ in Apo.] Tides 9.1 9.6 | |
| 8 | F | 12th a. ♎. Nat. Mary Harvest Moon Tides 9.3 9.7 | *Fine* |
| 9 | M. | Name of Mary ☾ on Eq. ☌ ☿ ☉ Inf. Hol. Cal. Me. 9.5 9.7 | |
| 10 | Tu. | Old Middlesex Canal begun 1794 9.7 — | *warm sun-* |
| 11 | W. | Brave Old Kearsarge Launch 1861 Tides 9.6 9.8 | *shine,* |
| 12 | Th. | Bloody Brook ambuscade 1674 Hol. Md. Tides 9.5 9.8 | *days* |
| 13 | Fr. | Highest world temp. 136°–Azizia, Afr.–1922 Tides 9.3 9.8 | *are* |
| 14 | Sa. | Holy Cross John Harvard d. 1638 Tides 9.0 9.7 | |
| 15 | F | 14th ☽ a. ♇. ☌ ☿ ♆ 8.7 9.6 | *Divine.* |
| 16 | M. | ☾ runs high Ember Week Hol. Okla. Tides 8.5 9.5 | |
| 17 | Tu. | Citizens' Day Antietam 1862 8.4 9.6 | *Nor'easter* |
| 18 | W. | ☿ Stat. in R.A. Panic of 1873 8.5 9.7 | *perhaps* |
| 19 | Th. | Artificial rain by expl. 1891 Tides 8.9 10.0 | *but no* |
| 20 | Fr. | ☌ ☉ ☾ "Oh solitude where are thy charm?" 1676 9.4 10.5 | *hur-* |
| 21 | Sa. | St. Matt. ☿ in ♌ ☌ ☌ ☉ 10.1 11.0 | *ricane* |
| 22 | F | 14th a. ♎. ☿ ☾ ☾ on Eq. 10.8 11.3 | *above* |
| 23 | M. | Fall begins 2.27 A.M. ☉ enters ♎ 11.4 11.6 | *Myrtle's* |
| 24 | Tu. | ☌ ♅ ☾ [23rd ☌ ☌ ☾ in Perl] 11.7 11.5 | *tourist* |
| 25 | W. | ☿ GrEl W ☌ ♆ ☾ ☿ in Perl. 11.9 — | *traps.* |
| 26 | Th. | ☌ ♀ ☾ Jewish New Year 11.2 11.7 | *Watch out* |
| 27 | Fr. | Aimee McPherson d. 1944 Tides 10.7 11.3 | *Jack* |
| 28 | Sa. | ☌ ♄ ☾ [29th ☾ rides low] 10.1 10.8 | *Frost* |
| 29 | F | 16th a. ♇. D.S.T. ends some places 9.4 10.1 | *is* |
| 30 | M. | Babe Ruth hit 60th home run–1927 Tides 8.8 9.6 | *about.* |

Both Fall and Winter begin at the new moon this year.

I am constantly reminded of the fact that from my earliest youth these home lands of mine have known my tenantry. There is, for instance, a grove of fine old beeches that has a number of simple tales to tell, at once nostalgic and embarrassing. But as I point out to my wife, mine are not the only moonstruck initials coupled with their opposites in, of course, the conventional heart. I believe my brother's and the hired man's are also there.

There remain about each trunk of the two great crab-apple trees before our front door curious encirclements, about head high, apparently of considerable age. And that is true. They were made over half a century ago by the ropes of an old-fashioned net hammock. As a very young lad I enjoyed being lifted into this contrivance, where I would then proceed to ingeniously wind myself up. Well do I remember one dreadful moment when the hammock suddenly disgorged me. I am told that the agony in my lacerated hands and knees brought forth the only mature remark of my childhood:—"My God, mother, why was I ever borned!"

I can still find a very mossy stump that had once supported a favorite hemlock of father's. It then grew most ornamentally in the corner of our lawn. My brother and I contrived to cut it down. Father's swift and terrible retribution on our posteriors is still an aching memory.

1957] OCTOBER, TENTH MONTH.

ASTRONOMICAL CALCULATIONS.

| ☉'s Declination. | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 3s. 16 | 7 | 5 35 | 13 | 7 51 | 19 | 10 03 | 25 | 12 10 |
| | 2 | 3 39 | 8 | 5 58 | 14 | 8 13 | 20 | 10 25 | 26 | 12 31 |
| | 3 | 4 02 | 9 | 6 20 | 15 | 8 35 | 21 | 10 46 | 27 | 12 51 |
| | 4 | 4 25 | 10 | 6 43 | 16 | 8 58 | 22 | 11 07 | 28 | 13 11 |
| | 5 | 4 49 | 11 | 7 06 | 17 | 9 20 | 23 | 11 29 | 29 | 13 31 |
| | 6 | 5 12 | 12 | 7 28 | 18 | 9 41 | 24 | 11 49 | 30 | 13 51 |

○ Full Moon, 8th day, 4 h. 42 m., evening, E.

☾ Last Quarter, 16th day, 8 h. 44 m., morning, W.

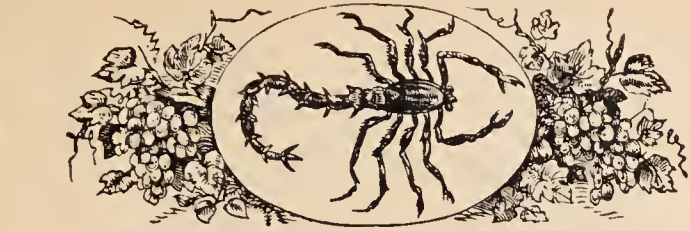
● New Moon, 22nd day, 11 h. 43 m., evening, E.

☽ First Quarter, 30th day, 5 h. 48 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 101-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 274 | 1 | Tu. | 5 41 | J | 5 27 | H | 11 46 | 26 | 5 | 5¼ | 11$^{P}_{M}$45 | E | 6$^{P}_{M}$37 | CAP | 8 |
| 275 | 2 | W. | 5 42 | J | 5 25 | H | 11 43 | 26 | 6 | 6½ | — | — | 7 23 | AQR | 9 |
| 276 | 3 | Th. | 5 43 | J | 5 23 | H | 11 41 | 27 | 7 | 7½ | 12$^{A}_{M}$43 | F | 8 08 | AQR | 10 |
| 277 | 4 | Fr. | 5 44 | J | 5 21 | H | 11 38 | 27 | 8 | 8¼ | 1 41 | G | 8 51 | AQR | 11 |
| 278 | 5 | Sa. | 5 45 | J | 5 20 | H | 11 35 | 27 | 8¾ | 9 | 2 39 | H | 9 33 | PSC | 13 |
| 279 | 6 | F | 5 46 | J | 5 18 | H | 11 32 | 28 | 9½ | 9¾ | 3 36 | I | 10 15 | PSC | 14 |
| 280 | 7 | M. | 5 47 | J | 5 16 | H | 11 29 | 28 | 10 | 10¼ | 4$^{A}_{M}$34 | I | 10 57 | ARI | 15 |
| 281 | 8 | Tu. | 5 48 | J | 5 15 | H | 11 26 | 28 | 10½ | 11 | rises | — | 11$^{P}_{M}$41 | ARI | 16 |
| 282 | 9 | W. | 5 49 | J | 5 13 | G | 11 24 | 29 | 11¼ | 11½ | 5$^{P}_{M}$29 | F | — | — | — |
| 283 | 10 | Th. | 5 51 | K | 5 11 | G | 11 21 | 29 | 11¾ | — | 6 03 | F | 12$^{A}_{M}$26 | TAU | 17 |
| 284 | 11 | Fr. | 5 52 | K | 5 10 | G | 11 18 | 29 | 0¼ | 0½ | 6 41 | E | 1 13 | TAU | 18 |
| 285 | 12 | Sa. | 5 53 | K | 5 08 | G | 11 15 | 29 | 0¾ | 1 | 7 24 | D | 2 02 | TAU | 19 |
| 286 | 13 | F | 5 54 | K | 5 06 | G | 11 12 | 30 | 1½ | 1¾ | 8 13 | D | 2 53 | G'M | 20 |
| 287 | 14 | M. | 5 55 | K | 5 05 | G | 11 10 | 30 | 2¼ | 2½ | 9 09 | D | 3 46 | G'M | 21 |
| 288 | 15 | Tu. | 5 56 | K | 5 03 | G | 11 07 | 30 | 3¼ | 3½ | 10 11 | E | 4 40 | CNC | 22 |
| 289 | 16 | W. | 5 57 | K | 5 02 | G | 11 04 | 30 | 4 | 4½ | 11$^{P}_{M}$17 | F | 5 34 | CNC | 23 |
| 290 | 17 | Th. | 5 59 | K | 5 00 | G | 11 01 | 30 | 5 | 5½ | — | — | 6 28 | LEO | 24 |
| 291 | 18 | Fr. | 6 00 | K | 4 58 | G | 10 59 | 31 | 6¼ | 6½ | 12$^{A}_{M}$26 | G | 7 22 | LEO | 25 |
| 292 | 19 | Sa. | 6 01 | K | 4 57 | G | 10 56 | 31 | 7¼ | 7½ | 1 38 | H | 8 15 | VIR | 26 |
| 293 | 20 | F | 6 02 | K | 4 55 | G | 10 53 | 31 | 8 | 8½ | 2 51 | I | 9 09 | VIR | 27 |
| 294 | 21 | M. | 6 03 | K | 4 54 | G | 10 50 | 31 | 9 | 9½ | 4$^{A}_{M}$05 | J | 10 03 | LIB | 28 |
| 295 | 22 | Tu. | 6 05 | L | 4 52 | F | 10 48 | 31 | 9¾ | 10¼ | sets | — | 10 59 | LIB | 29 |
| 296 | 23 | W. | 6 06 | L | 4 51 | F | 10 45 | 31 | 10¾ | 11¼ | 5$^{P}_{M}$10 | F | 11$^{A}_{M}$55 | SCO | 1 |
| 297 | 24 | Th. | 6 07 | L | 4 49 | F | 10 42 | 32 | 11½ | — | 5 55 | E | 12$^{P}_{M}$52 | SCO | 2 |
| 298 | 25 | Fr. | 6 08 | L | 4 48 | F | 10 40 | 32 | 0 | 0¼ | 6 45 | D | 1 49 | SGR | 3 |
| 299 | 26 | Sa. | 6 09 | L | 4 47 | F | 10 37 | 32 | 1 | 1¼ | 7 39 | D | 2 45 | SGR | 4 |
| 300 | 27 | F | 6 11 | L | 4 45 | F | 10 34 | 32 | 1¾ | 2 | 8 36 | E | 3 39 | CAP | 5 |
| 301 | 28 | M. | 6 12 | L | 4 44 | F | 10 32 | 32 | 2½ | 2¾ | 9 35 | E | 4 30 | CAP | 6 |
| 302 | 29 | Tu. | 6 13 | L | 4 42 | F | 10 29 | 32 | 3½ | 3¾ | 10 34 | F | 5 18 | AQR | 7 |
| 303 | 30 | W. | 6 14 | L | 4 41 | F | 10 27 | 32 | 4½ | 4¾ | 11$^{P}_{M}$32 | F | 6 04 | AQR | 8 |
| 304 | 31 | Th. | 6 16 | L | 4 40 | F | 10 24 | 32 | 5½ | 5¾ | — | — | 6$^{P}_{M}$48 | AQR | 9 |

## OCTOBER hath 31 days. [1957



Just here, the ground is darkened as with blood.
And that is a strange thing; no violent men
Have savaged, here.

There is a quiet place, where solitude,
Peering through leaves, had noted, now and then,
Some thoughtful man pass near . . .

But summer, now, is gone—is nowhere found—
And there are stains, here, darkening the ground.

| D.M. | D.W. | Aspects, Holidays, Heights of High Water, Weather, etc. | Farmer's Calendar. |
|---|---|---|---|
| 1 | Tu. | Scallops in the markets now Tides 8.4 9.1 | *Four* |
| 2 | W. | Great N.E. storm of 1841–6″ snow N.H. Tides 8.3 8.9 | *fine* |
| 3 | Th. | Decimal arithmetic invented 1602 Hol. Mo. 8.4 8.9 | *days* |
| 4 | Fr. | St. Francis D'Assissi R101 maiden voyage 1930 8.6 8.9 | *then* |
| 5 | Sa. | Yom Kippur ☾ in Apo. ☌♃☉ 8.9 9.0 | *storms* |
| 6 | F | 16th a.☾. ☾ on Eq. ☿ Gr. Hel. Lat. N. 9.2 9.2 | *and* |
| 7 | M. | United Airlines crash Laramie, Wyo. 1955 Hol. Mo. 9.4 9.3 | *haze.* |
| 8 | Tu. | Hunter's Moon Fall foliage at its best 9.7 9.3 | *Finest* |
| 9 | W. | ☿ in ♈ Aph. North Church steeple blown off 1804 9.9 9.3 | *two* |
| 10 | Th. | 1st Day Succoth Hell Gate Channel blasted 1885 10. — | *weeks* |
| 11 | Fr. | Arnold & cold north wind prevent Br. invasion 1766 9.2 10.1 | *of* |
| 12 | Sa. | Columbus Day Hol. Ind. N.Dak. Wis. 9.1 10.1 | *all* |
| 13 | F | 18th a.♇. ☾ runs high ☌☿☌ 9.0 10.0 | *the* |
| 14 | M. | ☌☿♃ Dismal Swamp Canal op. 1899 8.8 9.9 | *year* |
| 15 | Tu. | Schr. Wolston became 9156 Mi. derelict 1891 Tides 8.7 9.7 | *but* |
| 16 | W. | ☌☌♃ Cardiff Giant hoax 1869 8.7 9.7 | *better* |
| 17 | Th. | ☌☉☾ 1st Ladies' Golf Champ. Tourn. 1894 8.9 9.7 | *have* |
| 18 | Fr. | St. Luke's Little Summer Simchath Torah 9.3 9.9 | *your* |
| 19 | Sa. | Bones of our Pilgrims washed to sea 1785 9.8 10.3 | *flannels* |
| 20 | F | 18th a.☾. ☾ on Eq. ☌♀♄ 10.5 10.6 | *near.* |
| 21 | M. | ☾ in Peri. Our day begins at midnight 1884 11.1 10.9 | *Stay* |
| 22 | Tu. | ☌♃☾ ☌☌☾ ☍☿☾ 11.6 11.0 | *at home.* |
| 23 | W. | Sun total eclipse ♃ in Aph. ☍☿☉ Sup. | ☌♆☾ |
| 24 | Th. | This year's morning Highest high tide 11.9 — | *Just to* |
| 25 | Fr. | ☌☿♆ ☌♆☉ ☌♄☾ 10.7 11.6 | *start* |
| 26 | Sa. | ☾ rides low ☌♀☾ World began 4004 B.C. 10.3 11.2 | *your* |
| 27 | F | 20th a.♇. D.S.T. ends most places 9.8 10.6 | *wor-* |
| 28 | M. | Simon & Jude Christ (27th) the King 9.2 9.9 | *ries, here* |
| 29 | Tu. | ☿ in ♉ 36-day drought ends 1947 Tides 8.8 9.3 | *are* |
| 30 | W. | Jacob Abbot, fdr. Girl Scouts, died 1879 (31st) 8.5 8.9 | *snow flur-* |
| 31 | Th. | Halloween N.E.-Ohio quake 1935 Hol. Nev. 8.4 8.5 | *ries.* |

There's a lot of work that a man has to do alone. Because he knows it's a job for him alone. His conscience wouldn't let him call for help, though mostly a man needs help for the work of this world. If it is spiritual work he may, just possibly, turn to spiritual things only and not to man. But a son from his father, a father from his son, a friend from a friend, a lieutenant from his men needs not only spiritual help but more. And in the great needs and loneliness that is farm life this is often true for the farmer from his family, or from any to whom he may turn for help and advice.

By and large a farmer is a poor salesman. He needs both neighborhood cooperation and wider cooperative help in his harvesting and selling.

But there is, too, for the farmer the ever-present need for physical help—hand to hand and shoulder to shoulder. Our ploughs, harrows, sawrigs, axes, tractors and teams, bulldozers and spray rigs; well we know that two, or more men, are far safer than one with these.

But beyond this physical help is the need of fellowship. It's pure joy to be one of a pair pulling a saw on a frosty morning.

## ASTRONOMICAL CALCULATIONS.

☉'s Declination.

| Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14s. 30 | 7 | 16 20 | 13 | 18 01 | 19 | 19 31 | 25 | 20 47 |
| 2 | 14 49 | 8 | 16 38 | 14 | 18 17 | 20 | 19 44 | 26 | 20 59 |
| 3 | 15 08 | 9 | 16 55 | 15 | 18 32 | 21 | 19 58 | 27 | 21 10 |
| 4 | 15 26 | 10 | 17 12 | 16 | 18 47 | 22 | 20 11 | 28 | 21 21 |
| 5 | 15 45 | 11 | 17 29 | 17 | 19 02 | 23 | 20 23 | 29 | 21 31 |
| 6 | 16 03 | 12 | 17 45 | 18 | 19 17 | 24 | 20 36 | 30 | 21 41 |

○ Full Moon, 7th day, 9 h. 32 m., morning, W.

☾ Last Quarter, 14th day, 4 h. 59 m., evening, W.

● New Moon, 21st day, 11 h. 19 m., morning, E.

☽ First Quarter, 29th day, 1 h. 57 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 101-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 305 | 1 | Fr. | 6 17 | L | 4 38 | F | 10 22 | 32 | 6½ | 6¾ | 12$_{M}^{A}$30 | G | 7$_{M}^{P}$30 | PSC | 10 |
| 306 | 2 | Sa. | 6 18 | L | 4 37 | F | 10 19 | 32 | 7¼ | 7½ | 1 27 | H | 8 12 | PSC | 11 |
| 307 | 3 | F | 6 19 | L | 4 36 | E | 10 17 | 32 | 8 | 8½ | 2 25 | I | 8 54 | ARI | 12 |
| 308 | 4 | M. | 6 21 | M | 4 35 | E | 10 14 | 32 | 8¾ | 9¼ | 3 23 | J | 9 37 | ARI | 13 |
| 309 | 5 | Tu. | 6 22 | M | 4 34 | E | 10 12 | 32 | 9½ | 9¾ | 4 21 | K | 10 22 | ARI | 14 |
| 310 | 6 | W. | 6 23 | M | 4 32 | E | 10 09 | 32 | 10 | 10½ | 5$_{M}^{A}$21 | L | 11 09 | TAU | 15 |
| 311 | 7 | Th. | 6 24 | M | 4 31 | E | 10 07 | 32 | 10¾ | 11¼ | rises | — | 11$_{M}^{P}$57 | TAU | 16 |
| 312 | 8 | Fr. | 6 26 | M | 4 30 | E | 10 05 | 32 | 11¼ | 11¾ | 5$_{M}^{P}$22 | E | — | — | — |
| 313 | 9 | Sa. | 6 27 | M | 4 29 | E | 10 02 | 32 | — | 0 | 6 10 | D | 12$_{M}^{A}$49 | G'M | 17 |
| 314 | 10 | F | 6 28 | M | 4 28 | E | 10 00 | 32 | 0½ | 0¾ | 7 04 | D | 1 42 | G'M | 18 |
| 315 | 11 | M. | 6 29 | M | 4 27 | E | 9 58 | 32 | 1¼ | 1½ | 8 05 | E | 2 36 | CNC | 19 |
| 316 | 12 | Tu. | 6 31 | M | 4 26 | E | 9 55 | 32 | 2 | 2¼ | 9 09 | E | 3 30 | CNC | 20 |
| 317 | 13 | W. | 6 32 | M | 4 25 | E | 9 53 | 31 | 2¾ | 3 | 10 16 | F | 4 24 | LEO | 21 |
| 318 | 14 | Th. | 6 33 | M | 4 24 | E | 9 51 | 31 | 3¾ | 4 | 11$_{M}^{P}$25 | G | 5 17 | LEO | 22 |
| 319 | 15 | Fr. | 6 34 | M | 4 23 | E | 9 49 | 31 | 4¾ | 5¼ | — | — | 6 09 | VIR | 23 |
| 320 | 16 | Sa. | 6 36 | M | 4 22 | E | 9 47 | 31 | 5¾ | 6¼ | 12$_{M}^{A}$36 | H | 7 00 | VIR | 24 |
| 321 | 17 | F | 6 37 | M | 4 21 | D | 9 45 | 31 | 6¾ | 7¼ | 1 47 | I | 7 52 | VIR | 25 |
| 322 | 18 | M. | 6 38 | N | 4 21 | D | 9 43 | 31 | 7¾ | 8¼ | 2 58 | K | 8 45 | LIB | 26 |
| 323 | 19 | Tu. | 6 39 | N | 4 20 | D | 9 41 | 30 | 8¾ | 9¼ | 4 10 | L | 9 40 | LIB | 27 |
| 324 | 20 | W. | 6 40 | N | 4 19 | D | 9 39 | 30 | 9½ | 10 | 5$_{M}^{A}$22 | M | 10 36 | SCO | 28 |
| 325 | 21 | Th. | 6 42 | N | 4 18 | D | 9 37 | 30 | 10¼ | 11 | sets | — | 11$_{M}^{A}$32 | SCO | 29 |
| 326 | 22 | Fr. | 6 43 | N | 4 18 | D | 9 35 | 30 | 11¼ | 11¾ | 5$_{M}^{P}$24 | D | 12$_{M}^{P}$29 | SGR | 1 |
| 327 | 23 | Sa. | 6 44 | N | 4 17 | D | 9 33 | 29 | — | 0 | 6 21 | D | 1 25 | SGR | 2 |
| 328 | 24 | F | 6 45 | N | 4 16 | D | 9 31 | 29 | 0½ | 0¾ | 7 19 | E | 2 18 | CAP | 3 |
| 329 | 25 | M. | 6 46 | N | 4 16 | D | 9 30 | 29 | 1½ | 1½ | 8 20 | E | 3 09 | CAP | 4 |
| 330 | 26 | Tu. | 6 48 | N | 4 15 | D | 9 28 | 28 | 2¼ | 2½ | 9 20 | F | 3 57 | AQR | 5 |
| 331 | 27 | W. | 6 49 | N | 4 15 | D | 9 26 | 28 | 3 | 3¼ | 10 18 | G | 4 42 | AQR | 6 |
| 332 | 28 | Th. | 6 50 | N | 4 15 | D | 9 25 | 28 | 3¾ | 4 | 11$_{M}^{P}$16 | H | 5 25 | PSC | 7 |
| 333 | 29 | Fr. | 6 51 | N | 4 14 | D | 9 23 | 27 | 4¾ | 5 | — | — | 6 07 | PSC | 8 |
| 334 | 30 | Sa. | 6 52 | N | 4 14 | D | 9 22 | 27 | 5½ | 6 | 12$_{M}^{A}$14 | I | 6$_{M}^{P}$49 | PSC | 9 |

# NOVEMBER hath 30 days. [1957

This is the inward month!
Man shuts his door
And turns his thought
To what he holds,
Of less and more,
In his most secret breast,
That personal bin—
What longer harvest,
Of what worth,
He has gathered in.

| D. M. | D. W. | Aspects, Holidays, Heights of High Water, Weather, etc. | | | | Farmer's Calendar. |
|---|---|---|---|---|---|---|
| 1 | Fr. | All Saints | ☿ Gr. Hel. Lat. S. | Hol. La. | 8.4 8.4 | *Clear,* |
| 2 | Sa. | All Souls | ☾ in Apo. | ☾ on Eq. | 8.6 8.5 | *blowy,* |
| 3 | F | 20th S. a. ♎. | "Wig" Season | | 8.9 8.6 | *then* |
| 4 | M. | □ ♁ ☉ | 1st Erie Canal bt. 1825 | Will Rogers Day–Okla. | 9.2 8.7 | |
| 5 | Tu. | Fawkes Day | Flood crest 1947 | Gen. El. day | 9.5 8.8 | *clouds,* |
| 6 | W. | Billion dollar "drought relief" storm 1952—(6-17) | | | 9.8 9.0 | *snowy.* |
| 7 | Th. | The full "Beaver" Moon | → In total eclipse | | 10.0 9.0 | *Indian* |
| 8 | Fr. | ☿ in ♌ Aph. | A great "blazing starre" 1664 | | 10.2 9.1 | *summer* |
| 9 | Sa. | The Pilgrims first sighted land 1620 | | Tides | — 10.3 | *comes* |
| 10 | F | 22nd S. a. ♑. | ☾ runs high | | 9.1 10.3 | *early* |
| 11 | M. | Veteran's Day | Animals are hibernating. | Tides | 9.1 10.3 | *but* |
| 12 | Tu. | Confed. SS Alabama bt. U.S. Clipper Contest 1863 | | | 9.1 10.2 | *the* |
| 13 | W. | ♂ ☌ Ψ | Trad. Indian Summer | | 9.1 10.0 | *rest of* |
| 14 | Th. | ♂ ♁ ☾ | Harvard Stadium dedicated 1903 | | 9.2 9.8 | *Novem-* |
| 15 | Fr. | First wireless produced newspaper at sea 1899 | | | 9.4 9.7 | *ber with* |
| 16 | Sa. | ☾ Eq. | on "Where a whale can go I can follow." 1820 | | 9.7 9.7 | *its* |
| 17 | F | 22nd a. ♎. | ☉ Stat. in R.A. | | 10.1 9.9 | *gales* |
| 18 | M. | ☿ Gr. El. E. | ♂ ☊ ☾ | ☾ in Peri. | 10.6 10.0 | *and* |
| 19 | Tu. | ♂ Ψ ☾ ♂ ♂ ☾ | | Tides | 11.1 10.2 | *storms* |
| 20 | W. | 17 ft. Army balloon burst at 140,000 ft. alt. 1949 | | | Tides | 11.4 10.3 |
| 21 | Th. | ♂ ☌ ♄ | Mayflower Compact | Tides | 11.6 10.2 | *will* |
| 22 | Fr. | ♂ ♄ ☾ | ♂ ☌ ☾ | Tides low | Tides | 11.6 10.1 |
| 23 | Sa. | Most forgotten Am. anniversary 1618 | | Hol. Md. | — 11.3 | *be* |
| 24 | F | 24th a. ♑. | Huron wreck 1877 | | 9.8 10.9 | *some-* |
| 25 | M. | ♂ ☿ ☾ | 37 lb. Rainbow trout taken Idabo 1947 | | 9.5 10.4 | |
| 26 | Tu. | Colossal Washington Statue erected Baltimore 1829 | | | 9.2 9.8 | *thing* |
| 27 | W. | Sea Cap'n Stetson k. by falling tree 1820 | | Tides | 8.9 9.3 | *to* |
| 28 | Th. | Thanksgiving Day | | Tides | 8.6 8.8 | *re-* |
| 29 | Fr. | ☿ Gr. Hel. Lat. S. | Str. Portland foundered 1898 | | 8.5 8.4 | *mem-* |
| 30 | Sa. | St. Andrew | ☾ in Apo. | ☾ on Eq. | 8.5 8.2 | *ber.* |

"If ice in November will bear a duck, nothing follows after but sleet and muck."

"I am lately of the sluggish sort who likes nothing better than a nap on the sunny side of the house. But here is the contradiction, sir. I leap out of bed to take the morning with the eagerness of a young ram. The habit goes back to my youth when I had to be up betimes to perform the rugged chores that earned my breakfast. I hold no brief for the chores but in the doing of them I heard the voices of the morning, and those I have never forgotten.

"The world never speaks so sweetly as in those charmed hours. Man and nature do then commune in pious fellowship, though for me, I must confess, some part of those early hours belonged to our imbecile rooster. I needs must listen to his clarion, for he really could talk—at least in a way that seemed especially for me. I remember how many a morning he would crow, 'Martha Lee is not for thee,' a fact, alas, which I knew only too well. So he and I were part of the morning together.

"Not alone together, of course, for I delighted to hear the crows (late risers like all thieves) clear their pipes. Each spoke to me after his own fashion. There was my old philosopher. 'Slow, slow, slow,' he would say. There was Blackie, my watch-dog of crows, with his 'Be off, be off, be off, be off.' . . . And many other voices indeed. But now let us good-night—for we would not 'be off' but be up betimes."

*The late Squire Brown*

1957] DECEMBER, TWELFTH MONTH.

ASTRONOMICAL CALCULATIONS.

| ☉'s Declination. | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 21s. 50 | 7 | 22 38 | 13 | 23 10 | 19 | 23 25 | 25 | 23 23 |
| | 2 | 21 59 | 8 | 22 44 | 14 | 23 14 | 20 | 23 26 | 26 | 23 22 |
| | 3 | 22 08 | 9 | 22 50 | 15 | 23 17 | 21 | 23 26 | 27 | 23 19 |
| | 4 | 22 16 | 10 | 22 56 | 16 | 23 20 | 22 | 23 26 | 28 | 23 16 |
| | 5 | 22 24 | 11 | 23 01 | 17 | 23 22 | 23 | 23 26 | 29 | 23 13 |
| | 6 | 22 31 | 12 | 23 06 | 18 | 23 24 | 24 | 23 25 | 30 | 23 09 |

○ Full Moon, 7th day, 1 h. 16 m., morning, W.

☾ Last Quarter, 14th day, 12 h. 45 m., morning, E.

● New Moon, 21st day, 1 h. 12 m., morning, E.

☽ First Quarter, 28th day, 11 h. 52 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 101-4, FOR ALL POINTS OUTSIDE NEW ENGLAND

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 335 | 1 | F | 6 53 | N | 4 13 | D | 9 20 | 27 | 6½ | 6¾ | 1$^{A}_{M}$11 | J | 7$^{P}_{M}$32 | ARI | 10 |
| 336 | 2 | M. | 6 54 | N | 4 13 | D | 9 19 | 26 | 7¼ | 7¾ | 2 09 | K | 8 15 | ARI | 11 |
| 337 | 3 | Tu. | 6 55 | N | 4 13 | D | 9 18 | 26 | 8 | 8½ | 3 08 | K | 9 01 | TAU | 12 |
| 338 | 4 | W. | 6 56 | N | 4 13 | D | 9 16 | 25 | 8¾ | 9¼ | 4 08 | L | 9 49 | TAU | 13 |
| 339 | 5 | Th. | 6 57 | N | 4 12 | D | 9 15 | 25 | 9½ | 10 | 5 09 | M | 10 40 | G'M | 14 |
| 340 | 6 | Fr. | 6 58 | N | 4 12 | D | 9 14 | 25 | 10¼ | 10¾ | 6$^{A}_{M}$08 | M | 11$^{P}_{M}$34 | G'M | 16 |
| 341 | 7 | Sa. | 6 59 | o | 4 12 | c | 9 13 | 24 | 10¾ | 11½ | rises | — | — | — | — |
| 342 | 8 | F | 7 00 | o | 4 12 | c | 9 12 | 24 | 11½ | — | 5$^{P}_{M}$55 | E | 12$^{A}_{M}$28 | G'M | 17 |
| 343 | 9 | M. | 7 01 | o | 4 12 | c | 9 11 | 23 | 0¼ | 0¼ | 6 56 | E | 1 24 | CNC | 18 |
| 344 | 10 | Tu. | 7 02 | o | 4 12 | c | 9 10 | 23 | 0¾ | 1 | 8 08 | F | 2 19 | CNC | 19 |
| 345 | 11 | W. | 7 03 | o | 4 12 | c | 9 10 | 22 | 1¾ | 2 | 9 17 | G | 3 13 | LEO | 20 |
| 346 | 12 | Th. | 7 04 | o | 4 12 | c | 9 09 | 22 | 2½ | 2¾ | 10 27 | H | 4 06 | LEO | 21 |
| 347 | 13 | Fr. | 7 04 | o | 4 13 | c | 9 08 | 21 | 3½ | 3¾ | 11$^{P}_{M}$37 | I | 4 58 | VIR | 22 |
| 348 | 14 | Sa. | 7 05 | o | 4 13 | c | 9 08 | 21 | 4¼ | 4¾ | — | — | 5 49 | VIR | 23 |
| 349 | 15 | F | 7 06 | o | 4 13 | c | 9 07 | 21 | 5¼ | 5¾ | 12$^{A}_{M}$47 | J | 6 40 | LIB | 24 |
| 350 | 16 | M. | 7 07 | o | 4 13 | c | 9 07 | 20 | 6¼ | 7 | 1 57 | K | 7 32 | LIB | 25 |
| 351 | 17 | Tu. | 7 07 | o | 4 14 | c | 9 06 | 20 | 7¼ | 8 | 3 06 | L | 8 26 | SCO | 26 |
| 352 | 18 | W. | 7 08 | o | 4 14 | c | 9 06 | 19 | 8¼ | 9 | 4 14 | M | 9 20 | SCO | 27 |
| 353 | 19 | Th. | 7 08 | o | 4 15 | c | 9 06 | 19 | 9¼ | 9¾ | 5 18 | M | 10 16 | SGR | 28 |
| 354 | 20 | Fr. | 7 09 | o | 4 15 | c | 9 06 | 18 | 10 | 10¾ | 6$^{A}_{M}$18 | N | 11$^{A}_{M}$12 | SGR | 29 |
| 355 | 21 | Sa. | 7 09 | o | 4 15 | c | 9 06 | 18 | 11 | 11½ | sets | — | 12$^{P}_{M}$06 | CAP | 0 |
| 356 | 22 | F | 7 10 | o | 4 16 | c | 9 06 | 17 | 11¾ | — | 6$^{P}_{M}$04 | E | 12 58 | CAP | 1 |
| 357 | 23 | M. | 7 10 | o | 4 16 | c | 9 06 | 17 | 0¼ | 0½ | 7 04 | F | 1 48 | AQR | 3 |
| 358 | 24 | Tu. | 7 11 | o | 4 17 | c | 9 06 | 16 | 1 | 1¼ | 8 05 | G | 2 34 | AQR | 4 |
| 359 | 25 | W. | 7 11 | o | 4 18 | c | 9 06 | 16 | 1¾ | 2 | 9 04 | G | 3 19 | AQR | 5 |
| 360 | 26 | Th. | 7 12 | o | 4 18 | c | 9 07 | 15 | 2½ | 2¾ | 10 02 | H | 4 02 | PSC | 6 |
| 361 | 27 | Fr. | 7 12 | o | 4 19 | c | 9 07 | 15 | 3¼ | 3½ | 10 59 | I | 4 44 | PSC | 7 |
| 362 | 28 | Sa. | 7 12 | o | 4 20 | c | 9 07 | 14 | 4 | 4¼ | 11$^{P}_{M}$57 | J | 5 26 | ARI | 8 |
| 363 | 29 | F | 7 13 | o | 4 20 | c | 9 08 | 14 | 4¾ | 5¼ | — | — | 6 09 | ARI | 9 |
| 364 | 30 | M. | 7 13 | o | 4 21 | c | 9 08 | 13 | 5¾ | 6 | 12$^{A}_{M}$54 | K | 6 53 | ARI | 10 |
| 365 | 31 | Tu. | 7 13 | o | 4 22 | c | 9 09 | 13 | 6½ | 7 | 1$^{A}_{M}$53 | L | 7$^{P}_{M}$39 | TAU | 11 |

# DECEMBER hath 31 days. [1957

This was before he was lonely;
This was before he had
Us, to make him sad:—
Then, was his mother, only.

This was before the nails came,
Your nail, and mine.
And the vinegar, for wine,
Our spear, and the mocking name.

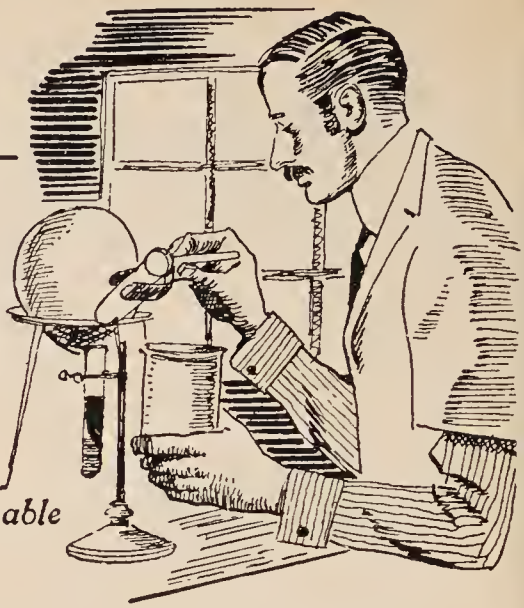
Now is December, again . . .
Best think of him . . . then!

| D.M. | D.W. | Aspects, Holidays, Heights of High Water, Weather, etc. | Farmer's Calendar. |
|---|---|---|---|
| 1 | F | 1st S. Adv. Mutiny on Somers 1842 {8.6 8.1 *The* | Sitting tipped back in your rocker just so your spine is easy and your feet comfortable in the oven—that's the sort of position that makes a man think, I tell you. Why, I wouldn't even want to guess at all the thinking **I've** done in that position. Naturally you've got to have nothing to do **but** think. Here's some samples of the thinking I can turn out. |
| 2 | M. | John Brown's soul went "Marching On" 1859 {8.8 8.1 *last two* | |
| 3 | Tu. | "Oh fleet that silent tarries along our listening land." 1768 {9.1 8.3 *De-* | |
| 4 | W. | Year's earliest sunsets 4-12 {9.4 8.4 *cembers were* | |
| 5 | Th. | CIO-AFL married 1955 {9.8 8.6 *bad but this* | |
| 6 | Fr. | Halifax fire 1917 [7th ☾ runs high ☿ Gr. El. E.] {10.1 8.8 *one* | |
| 7 | Sa. | The full "Cold" moon Pearl Harbor {10.4 9.0 *will be truly* | |
| 8 | F | 2nd S. A. Conc. V.M. ♂ ☌ ☉ {10.6 — *rough,* | Thinking number one:—The fastest way to get a new roof for the church is to get a new preacher under the old one. |
| 9 | M. | McKay Clipper Baines began 132 d. around world trip 1854 {9.2 10.7 *for* | |
| 10 | Tu. | Moon was blue and that is true 1883 Tides {9.4 10.7 *Dad.* | |
| 11 | W. | ♂ ☉ ☾ Amundsen disc. S. Pole 1911 {9.5 10.5 *All sails* | |
| 12 | Th. | Famous Florida freeze 1952 Hudson R. frozen 1792 {9.6 10.3 *lower,* | Thinking number two:—Ma says if we got ourselves a smaller place, it would be a heap easier on her. I said to Ma that if she were just talking about the size of the rooms, that didn't make much sense. It ain't the floors that take the sweepin' time. The corners in any room are just the same size as the corners in any other room. There's where you've got to dig out the dust—and the sinners—in the corners. |
| 13 | Fr. | St. Lucy Falling star shower 1833 ☾ on Eq. {9.7 10.0 *go* | |
| 14 | Sa. | ☾ in Peri. {9.8 9.7 *buy a snow blow-* | |
| 15 | F | 3rd S. A. Horse Nashua bt. $1,251,200 {10.0 9.4 *er.* | |
| 16 | M. | ☿ Stat. in R.A. ♂ ☊ ☾ Ember Week {10.2 9.3 *Milder,* | |
| 17 | Tu. | ♂ ☿ ☾ Peter robbed to pay Paul 1550 {10.5 9.4 *it is* | |
| 18 | W. | First Day Chanukah ☿ in ♌ ♂ ☌ ☾ {10.7 9.5 *up to* | |
| 19 | Th. | Raft of 27,000 logs broke up off Nantucket 1887 {11.0 9.5 *zero.* | Thinking number three:—Sitting and thinking so hard just naturally puts a man's mind on jugs and what's in 'em. Pa used to say, "'Taint a question of how much a jug **holds**, it's what's left in it." And that brings me to |
| 20 | Fr. | ☾ rides low ♂ ♄ ☾ [21st ♂ ☿ ☾] {11.1 9.6 | |
| 21 | Sa. | Winter begins 9.49 P.M. Sun enters ♑ {11.1 9.6 *Air* | |
| 22 | F | 4th S. A. ☿ in Peri. {10.9 — *is bracing,* | Thinking number four:—It appears for the time being I'm about thought out and sot out. Well, see you in the cellar, folks, and a Merry Christmas to you. |
| 23 | M. | ☿ Greatest brilliancy Sea Witch 1st China trip 1846 {9.5 10.6 | |
| 24 | Tu. | ♂ ☿ ☾ Columbus ran aground 1492 {9.4 10.2 *clouds* | |
| 25 | W. | Chris. Day ♂ ☿ ☉ Inf. {9.2 9.8 *are* | |
| 26 | Th. | St. Stephen [27th ☿ in ♌] {9.1 9.3 *racing.* | |
| 27 | Fr. | St. John, Ev. ☾ in Apo. ☾ on Eq. Tides {8.9 8.8 | |
| 28 | Sa. | Innocents 12.3 In. snow 1909 {8.8 8.4 *Nippy* | |
| 29 | F | 1st S. a. Ch. Franklin's b'place bt. 1810 {8.7 8.0 | |
| 30 | M. | Year's latest sunrises, 29-31 Tides {8.7 7.9 *and* | |
| 31 | Tu. | Happy New Year! Tides {8.8 7.8 *zippy.* | |

*For sore, aching muscles—*

# An old New England Remedy

*Nobody has ever been able to duplicate*



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*"Fine eorly crop ond picks right through the seoson"*
*"Fruits ore lorge size, smooth, solid, fine color with wonderful quolity"*

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## PLANTING DATES FOR FLOWERS (Also see pages 13 & 40)

On the next page you will find approximate planting dates for vegetables and for crops, with a "moon column" adjoining each geographical division which tells you what some people consider the best moon planting time. In considering this "moon planting time" one should remember it is superstition only and has never been proven of value by scientific methods. The way these moon times are arrived at are: that crops or flowers which win their way by results above ground (like beans or pansies) do better when planted in the "light" of the moon—which is the same thing as saying during the new or first quarter of the moon. Those with root crops do better when planted during the full or last quarter of the moon. For flowers then use the next page taking the "Beans" head for everything except those largely dependent on bulbs—like lilies, tulips, iris, etc, for which the moon and other planting dates would correspond with those given for beets or potatoes.

For BEST FISHING, you may also use the same dates as best planting time for flowers. These days are underlined for 1957 on Page 11. For CUTTING BRUSH, use times given for root crops like potatoes or beets.

## AVERAGE DATES FIRST AND LAST KILLING FROSTS

| | | | |
|---|---|---|---|
| Boston | Apr. 14 — Oct. 26 | Richmond | Mar. 31 — Nov. 2 |
| Albany | Apr. 24 — Oct. 15 | Raleigh | Mar. 27 — Nov. 5 |
| Harrisburg | Apr. 9 — Oct. 28 | Macon | Mar. 14 — Nov. 14 |
| Cincinnati | Apr. 8 — Oct. 23 | Del Rio | Feb. 23 — Nov. 27 |
| Toledo | Apr. 22 — Oct. 18 | Helena | May 7 — Sept. 29 |
| Chicago | Apr. 16 — Oct. 19 | Santa Fe | Apr. 25 — Oct. 19 |
| Detroit | Apr. 28 — Oct. 15 | Tucson | Mar. 11 — Nov. 9 |
| Duluth | May 6 — Oct. 5 | Yuma | Jan. 20 — Dec. 20 |
| Bismarck | May 11 — Sept. 21 | Portland, Ore. | Mar. 15 — Nov. 21 |
| Omaha | Apr. 14 — Oct. 15 | San Francisco | Jan. 13 — Dec. 29 |
| Portland, Maine | Apr. 19 — Oct. 17 | Parkersburg | Apr. 17 — Oct. 18 |
| Hartford | Apr. 20 — Oct. 13 | Oklahoma City | Mar. 30 — Nov. 3 |
| Evansville | Apr. 5 — Oct. 29 | Denver | May 3 — Oct. 10 |
| Cairo | Mar. 31 — Oct. 29 | Spokane | Apr. 14 — Oct. 13 |
| Minneapolis | Apr. 27 — Oct. 10 | Salt Lake City | Apr. 18 — Oct. 20 |
| Concord, N. H. | May 7 — Oct. 3 | | |

# OUTDOOR PLANTING TABLE

Find the latitude of your town or city. Interpolate between columns below to find your planting date. For example, if you live in Grove City, Pa. (Lat. 41°09'35") this would mean the latitude was about halfway between Boston-Phila. So your planting times would also be halfway between. N.B. Plant one week later for every 500 ft. elevation above sea level.

The "Moon Most Favorable" columns give the superstitious times when the phase of moon is "Right" for planting the crop indicated during 1956. See also pages 13 and 39.

| | 42°21'44" Boston Latitude | | 39°56'58" Phila. Latitude | | 33°45'10" Atlanta Latitude | |
|---|---|---|---|---|---|---|
| CROP | Plant Anytime Between Dates Below | Moon Most Favorable Between | Plant Anytime Between Dates Below | Moon Most Favorable Between | Plant Anytime Between Dates Below | Moon Most Favorable Between |
| Barley | May 15-Jun 21 | May 29-31 | Mar 15-Apr 7 | Mar 31 | Feb 15-Mar 7 | Mar 1 |
| Beans (Early) | May 7-Jun 21 | May 6-13 | Apr 15-30 | Apr 29-30 | Mar 15-Apr 7 | Mar 31 |
| (Late) | Jun 15-Jul 15 | Jun 27-30 | Jun 1-21 | Jun 27-30 | Aug 7-30 | Aug 7-9 |
| Beets (Early) | May 1-15 | May 13-21 | Mar 15-Apr 30 | Mar 15-23 | Feb 7-29 | Feb 14-21 |
| (Late) | Jul 15-Aug 15 | Jul 11-19 | Jul 15-30 | Jul 11-19 | Aug 7-30 | Aug 10-18 |
| Broccoli (E) | May 15-30 | May 29-31 | Mar 7-30 | Mar 7-9 | Feb 15-Mar 15 | Mareh 1 |
| (Late) | Jun 15-Jul 7 | Jun 27-30 | Aug 1-20 | Aug 1-7 | Sept 7-30 | Sept 23 |
| Brussels Spr. Plants | May 15-30 | May 29-31 | Mar 7-Apr 15 | Mar 31 | Feb 11-Mar 20 | Mar 1 |
| Cabbage (E) | May 15-30 | May 29-31 | Mar 7-Apr 15 | Mar 7-9 | Feb 7-Mar 20 | Feb 7-10 |
| Plants (L) | Jun 7-Aug 7 | Jun 27-30 | Jun 1-Jul 7 | Jun 1-5 | Jul 15-30 | Jul 26-31 |
| Carrots (E) | May 15-30 | May 13-21 | Mar 7-31 | Mar 9-15 | Feb 15-Mar 7 | Feb 14-21 |
| (Late) | Jun 15-Jul 21 | Jun 20-27 | Apr 7-May 30 | Apr 7-14 | Aug 1-Sept 7 | Aug 10-18 |
| Cauliflower (E) | May 15-30 | May 29-31 | Mar 15-Apr 7 | Mar 31 | Feb 15-Mar 7 | Mar 1 |
| Plants (L) | June 15-Jul 21 | Jun 27-30 | Jun 1-Jul 7 | Jun 27-30 | Aug 7-30 | Aug 7-9 |
| Celery (Early) | May 15-Jun 30 | May 6-13 | Mar 7-30 | Mar 15-22 | Feb 15-28 | Feb 14-21 |
| (Late) | Jul 15-Aug 15 | Jul 19-26 | Jun 15-Jul 7 | Jun 12-20 | | |
| Corn, Sweet (E) | May 1-Jun 15 | May 29-31 | May 1-15 | May 29-31 | Mar 15-29 | March 31 |
| (Late) | Jun 15-30 | Jun 27-30 | May 7-Jun 21 | June 27-30 | Aug 7-30 | Aug 7-9 |
| Cucumber | May 7-Jun 20 | May 29-31 | Apr 7-May 15 | Apr 29-30 | Mar 7-Apr 15 | Mar 7-9 |
| Egg Plant Plants | Jun 1-30 | Jun 1-5 | Apr 7-May 15 | Apr 29-30 | Mar 7-Apr 15 | Mar 7-9 |
| Endive (Early) | May 15-30 | May 29-31 | Apr 7-May 15 | Apr 29-30 | Feb 15-Mar 20 | Mar 1-9 |
| (Late) | Jun 7-30 | Jun 27-30 | Jul 15-Aug 15 | July 26-31 | Aug 15-Sept 7 | Aug 25-31 |
| Kale (Early) | May 15-30 | May 29-31 | Mar 15-Apr 7 | Mar 31 | Feb 15-Mar 7 | Mar 1-9 |
| (Late) | Jul 1-Aug 7 | July 4-11 | Jul 15-31 | Jul 26-31 | Sept 7-30 | Sept 23 |
| Leek Plants | May 15-30 | May 13-21 | Mar 7-Apr 7 | Mar 15-23 | Feb 15-Apr 15 | Feb 14-21 |
| Lettuce | May 15-Jun 30 | May 29-31 | Mar 1-31 | Mar 1-9 | Feb 15-Mar 7 | March 1-9 |
| Melon (Musk) | May 15-Jun 30 | May 29-31 | Apr 15-May 7 | Apr 29-30 | Mar 15-Apr 7 | Mar 31 |
| Onion Plants | May 15-Jun 7 | May 13-21 | Mar 1-31 | Mar 31 | Feb 1-28 | Feb 14-22 |
| Parsley | May 15-30 | May 29-31 | Mar 1-31 | Mar 1-9 | Feb 20-Mar 15 | Mar 1-9 |
| Parsnip | Apr 1-30 | Apr 1-7 | Mar 7-31 | Mar 15-23 | Jan 15-Feb 7 | Jan 30-31 |
| Peas (Early) | Apr 15-May 7 | Apr 29-30 | Mar 7-31 | Mar 7-9 | Jan 15-Feb 7 | Jan 30-31 |
| (Late) | Aug 15-30 | Aug 2-9 | Jul 7-31 | Jul 26-31 | Aug 15-30 | Aug 25 |
| Pepper Plants | May 15-Jun 30 | May 29-31 | Apr 1-31 | Apr 1-7 | Apr 1-20 | Apr 1-7 |
| Pumpkin | May 15-30 | May 29-31 | Apr 23-May 15 | Apr 29-30 | Apr 7-20 | Apr 7-10 |
| Potatoes | May 1-15 | May 13-21 | Apr 1-15 | Apr 14-21 | Feb 10-Mar 1 | Feb 14-20 |
| Radish (Early) | Apr 15-30 | Apr 29-30 | Mar 7-31 | Mar 7-9 | Jan 21-Mar 1 | Jan 30-31 |
| (Late) | Aug 15-30 | Aug 2-9 | Aug 7-31 | Aug 25-31 | Sept 1-21 | Sept 23-25 |
| Spinach (E) | May 15-30 | May 29-31 | Mar 15-Apr 20 | Mar 31 | Feb 7-Mar 15 | Feb 7-12 |
| (Late) | Jul 15-Sept 7 | Jul 26-31 | Aug 1-Sept 15 | Aug 1-2 | Sept 1-21 | Sept 1-5 |
| Swiss Chard | May 1-30 | May 29-31 | Mar 15-Apr 15 | Mar 31 | Feb 7-Mar 15 | Feb 7-10 |
| Summer Squ | May 15-Jun 15 | May 29-31 | Apr 15-May 15 | Apr 29-30 | Mar 15-Apr 15 | Mar 31 |
| Tomato Plants | May 15-30 | May 29-31 | Apr 7-30 | Apr 7 | Mar 7-20 | Mar 7-9 |
| Turnip (Early) | Apr 7-30 | Aug 7-14 | Mar 15-30 | Mar 15-23 | Jan 20-Feb 15 | Jan 20-22 |
| (Late) | Jul 1-Aug 15 | Jul 14-19 | Aug 1-20 | Aug 10-18 | Sept 1-Oct 15 | Sept 8-15 |
| Wheat (Wint.) | Sep. 11-15 | Sept 8-15 | Sept 15-Oct 20 | Sept 23-30 | Oct 15-Dec 7 | Oct 22-30 |
| (Spring) | Apr 7-30 | Apr 29-30 | Apr 1-20 | Apr 1-7 | Mar 15-31 | Mar 31 |

# FANTASTIC, HYGIENIC, AND QUATERNION!

**By Sybil Curtis**

When our troubles prove too much for some of us, we consult a psychiatrist for help. But unsophisticated people have evolved other methods for solving their problems, none more fantastic and fascinating than that followed for centuries by certain Mexican Indians. They consult a mushroom!

Early Spanish friars were much distressed by this custom, but were unable to turn their converts from their ancient practice, and in parts of Mexico these rites are secretly followed to this day. The mushroom used, known as the "divine mushroom," is found on this continent and in Europe. Eaten in carefully prescribed quantities, it produces a trance state in the partaker, who experiences a sense of ecstasy and enlightenment, and is ravished by beautiful visions and colors. While the congregation are eating the mushroom, devout leaders, mostly women, conduct the solemn rites and chanting which are customary, and, after a lapse of some time, give answers and advice to those present. These leaders receive a high fee for their services. They give advice on health, locate missing articles, solve mysteries, and report on the welfare of absent relatives. Numbers of these people, of late years, have spent much time in the United States as migrant workers; many of them cannot write, nor can those left at home read, so this is their substitute for letters. An American investigator was deeply impressed by the serious and religious attitude of these gatherings, and convinced that extraordinary results were actually attained.

Chemical analysis has revealed that the "divine mushroom" contains lysergic acid: an interesting discovery, as this chemical has been used recently in this country in exploring the nature of mental disease. Volunteers who have taken it for medical enlightenment are plunged into a state resembling that of schizophrenia. When they return to normal they can recall their sensations and give valuable descriptions of the state of mind and body they have experienced.

It is a fact that certain races have learned to identify many mushrooms, which they seek eagerly and for which they have charming folk-names, often of an affectionate nature. No Russian, for instance, would ever speak harshly of a mushroom! They have simple, but accurate, rhymed descriptions which they learn as children. In Tolstoi's **Anna Karenina** there is a charming account of a Russian family making merry gathering mushrooms in the forest. Other races do not recognize any good in mushrooms, cannot distinguish one from another, call them toadstools or harsher names, and never speak well of them. These attitudes of affection or loathing have persisted for ages. There is a new theory that a science of ethno-mycology may be established upon this basis, by which racial groups may be traced far back into very ancient times by their attitudes to mushrooms.

On this continent grow more than 3000 varieties of mushrooms, of which at least 700 are edible. Not all are interesting as food, but many have flavors far superior to those of the sole cultivated variety. We waste yearly, tons of valuable, free, and delicious food, replete with vitamins and minerals. In Europe the picture is reversed: during their seasons, wild mushrooms form an important part of the daily diet and great quantities are dried for winter use. During both world wars they were gleaned so thoroughly, to supplement scanty food supplies, that fears were expressed that the prospects for future crops were being endangered. Many people gain part of their livelihood by gathering them for sale. Tons of them are sold in the great picturesque mushroom markets. So important are they as a common food that mushroom inspectors, who are required to pass strict government examinations, are present at all markets, to insure that no poisonous varieties are unwittingly offered for sale. Their universal use as a food has stimulated European scientists to seek for antidotes for the deadly ones. A French doctor has produced a serum which has had notable success in many cases. It is, unfortunately, unstable, and must be procured fresh from Paris in case of need. Nothing of this kind is available in the United States.

Commercial canning and drying are carried out in Europe in a large way. The truffle, an underground mushroom which grows near the roots of certain oaks, is considered the chief delicacy of the tribe. Truffles are no trifles, for the Italian peasants do a million dollar business in them yearly, and at least $150,000 worth of them are imported each year into the United States. So costly are they, that chefs in hotels, where they are largely used in gourmet cooking,

keep their precious stock under lock and key. Pigs, goats, and dogs, whose delicate sense of smell can detect the presence of the underground truffles, are employed to aid the searchers.

Some of the "miracle" drugs are, of course, varieties of molds, which are merely microscopic brethren of the larger mushrooms. It is a relative of penicillin which forms the blue-green spots in Roquefort cheese, and various strains of this and other molds are responsible for its tangy flavor as well as that of luscious Camembert. Researchers are eagerly seeking further medical discoveries from some of the mushrooms common to our fields and forests. Investigations of their possibilities in the cure of glaucoma, arthritis, and cancer are in progress. In certain parts of Europe cancer is strikingly absent; freedom from the scourge is attributed by the natives to their large consumption of **Boletus edulis**, a delicacy growing wild in such profusion, and so esteemed, that train-loads of it are shipped into Vienna and other cities. Research at Michigan State and the Sloan-Kettering Institute has revealed that this and several other mushrooms (all found here) do possess tumor-inhibiting substances. So far these reports are based on animal experiments only.

Like men, mushrooms use enzymes and acids in the process of digestion. Some people, whose digestions are faulty, are helped by a fungus enzyme, called taka-diastase.

Mushrooms come in an endless variety of colors, shapes, and flavors, can and do grow in strange situations; on the ground, on trees, on railroad ties, on telephone poles, in cellars, in walls, mines and elevator shafts. They are possessed of surprising strength, frequently breaking up through cement floors and streets. One tiny fellow grows only on the hooves of dead animals; another only on one special joint of the left hind leg of a certain beetle. A number of varieties are skillfully cultivated by ants and beetles in flourishing underground gardens. The ambrosia beetle eats nothing but the mushroom his family raises. It is believed that some of these insect-cultivated mushrooms contain vitamins not found elsewhere. The ants lick each leaf before carrying it underground to make compost-beds. Since they maintain a pure culture of mushrooms in their garden it is conjectured that the ant saliva is germicidal, and that its investigation may be of value to man.


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Some mushrooms are phosphorescent in the dark; some have a power of movement, puzzling the learned, who cannot decide whether they should be classed as plants or animals. Their odd shapes, colors, and textures account for some of their common names, which include such picturesque ones as Witches' Butter, Judas' Ear, Devil's Snuff-box, Brownle Cap and Plum Top. Their range of color ls immense; they can match or surpass the colors of the most brilliant plumage or the softest, most exquisite hues of blossoms. Some possess delightful odors: that of sweet clover, anise, newly ground meal, orange flower blossoms, and cucumber, to name but a few. Others broadcast a rank smell of carrion or worse, utterly alluring to certain flies and beetles. Some have flavors so reminiscent of common foods, that, when properly cooked and served, they have fooled the unwary into thinking they were eating chicken, oysters, beefsteak or liver. A tiny fellow, its cap no larger than a shirt-button, is an excellent substitute for a clove of garlic. Some may be dried for winter use, and are more delicious than when used fresh. One of the best for this purpose may be gathered in New England, where it grows in moss-beds, far into December, even after light snows have fallen, for freezing does not harm it. Some dry themselves on their stems when the weather is sunny and hot, only to revive when rain falls again. Some grow so high up on elm trees that they are secured only by those skillful enough to toss an accurate lasso. One grows even in February, should winter be interrupted by a short mild spell.

The poisonous members of the tribe have given mushrooms a bad name. Although there are many poisonous wild plants, some deadly, people do not seem to fear plants as they do "toadstools." Only about thirty-six in this country are poisonous. Many of these are only mildly indigestible. The true killers belonging almost entirely to one family. This has striking characteristics, easily learned. Some of the most delicious could not possibly be mistaken for anything harmful. One delicacy, growing in abundant troops on the forest floor, looks exactly like a small crocus or morning-glory daintily made of dark gray or blackish fine kidskin. Any intelligent person, under a good teacher, can soon learn to identify the bad fellows, and with ease acquire knowledge of many edible varieties. It is regrettable that

(Continued page 69)

ANOTHER OLD FARMER'S ALMANAC FACT...

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# MORE MUSHROOM MAGIC

*by*

NANCY DIXON

It can truthfully be said by one "who has searched" good mushroom recipes that can boast "a difference" are hard to come by. . . . (A sincere hope that our findings will win you many a compliment and much enjoyment!) Mushrooms to serve as—main course—or an added fillip to a favored recipe.

### STUFFED MUSHROOMS

12 large mushrooms
1 tablespoon lemon juice
4 tablespoons butter
1 cup minced white meat of chicken
1 cup fresh bread crumbs
¼ cup chicken broth (enough to moisten)
1 egg
1 tablespoon minced parsley
1 tablespoon grated onion
1 teas. salt
¼ teas. pepper

Remove the mushroom stems; place the caps in cold water to which lemon has been added to prevent discoloration. Chop the stems into fine pieces; saute in butter. Add chicken stirring to prevent burning. Moisten some bread crumbs with chicken broth and egg; add to the mixture. Stir in the parsley, grated onion, salt and pepper. Stuff the mushroom caps and sprinkle with bread crumbs. Bake 30 to 40 minutes in a shallow pan with a tiny bit of water. Serves six.

### STUFFED MUSHROOMS a la VINCENT

1 pound large mushroom caps
1 clove garlic, minced
1 small onion, minced
3 T. melted butter
3 T. sherry
4 T. Olive oil
1 cup coarse bread crumbs
1 T. chopped parsley
Salt
Freshly ground pepper

Mix the garlic, onion, sherry and crumbs with parsley and seasonings. Place the mushroom caps in a frying pan and saute quickly in oil. Fill the sauteed caps with mixture and return to pan with oil. Cover and let cook over low heat for about ten minutes. Serve hot.

### BAKED MUSHROOMS

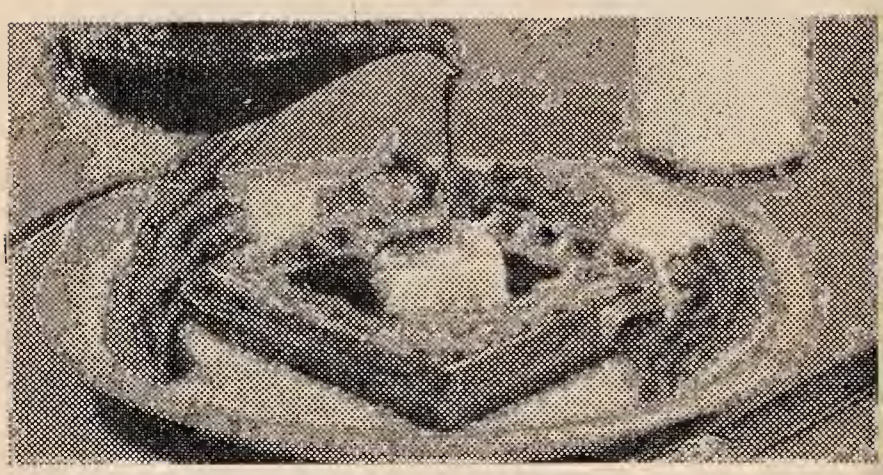
1½ dozen large mushrooms
4 T. butter
1 tomato
2 hard cooked eggs
¾ cup chopped cooked chicken
½ teas. cayenne
½ teas. salt
2 T. chicken stock

Wash the mushrooms. Put caps aside and chop the stems. Saute in butter until tender. Add rest of the ingredients and cook for two to three minutes. Melt rest of the butter and saute the mushroom caps lightly. Fill caps with mixture and bake in a greased baking dish in a hot oven for about ten minutes.

*Continued on p. 67*

# NEW! QUICK! BREAD 'N BUTTER WAFFLES!

## A real treat with Log Cabin Syrup!



Here's a new treat that everybody loves. An easy, nutritious waffle made of bread and butter! The crispiest, tastiest waffle that ever soaked up the real maple goodness of Log Cabin Syrup!

Try Bread 'n Butter Waffles today—they're a breeze for quick breakfasts, luncheons and suppers.

### Bread 'n Butter Waffles

**8 to 10 slices bread • Butter • ¾ cup milk**
**dash of salt • 1 egg, slightly beaten**

Spread bread slices lightly but evenly on both sides with butter. Add milk and salt to slightly beaten egg. Blend well. Dip slices of bread in egg-milk mixture quickly. Drain. Bake in moderately hot waffle iron 5 minutes, or until golden brown. Mm-m-m—delicious with Log Cabin Syrup.

NOTE: For serving a large group, stack baked waffles on cake racks and reheat in moderate oven (350°) 3 to 5 minutes.

**Log Cabin is specially blended to please New Englanders! Vermont Maple Sugar gives it that rich sugarbush flavor!**

A product of General Foods

# Run by and for New Englanders

The roots of First National Stores are firmly planted in New England soil. The business was founded by New Englanders and has been operated by New Englanders ever since.

That's one reason why First National Stores are the first choice of New England shoppers.

FIRST NATIONAL STORES

# ILLUSTRATED REBUSES

*Answers on Page 107*

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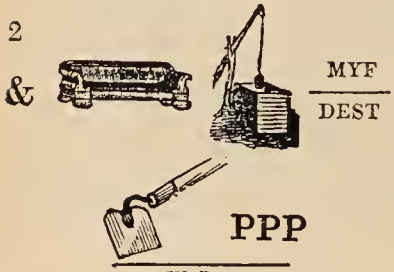


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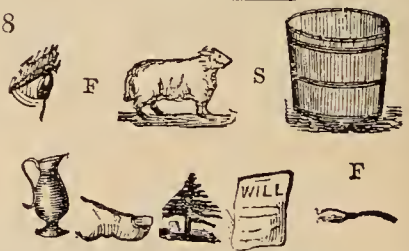


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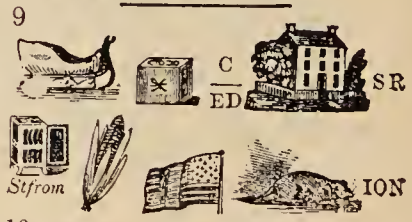


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# The LIVING CIRCLE

# *The Magic*

# *of Trade*

Centuries before the *Mayflower* brought the first New Englanders to the "New World," the great Maya civilization flourished in Central America. Like the colonists at Plymouth and Provincetown, the Maya pushed back the wilderness to sow their crops. Masters of architecture, they built cities and temples that still bear mute witness to their culture. Why did their proud civilization die?

Perhaps because—unlike the versatile New Englanders —the Maya built their whole economy on a single crop: corn.

And perhaps, too, because the Maya society turned in upon itself. Stone on stone, their monuments were built—"permanent," unyielding, immobile. In contrast, New England's ships were swift to carry her produce to far-flung ports, and bring home the manufactured goods she needed to prosper.

Perhaps the Maya never learned that peaceful trade among nations is the law of survival—the "living circle" that helped our young nation prosper. But today this living circle is bringing new prosperity to lands where the Maya once sowed their corn. Central and South America are developing new crops . . . new industries . . . a new and better way of life . . . through peaceful trade with their North American neighbors.

*Men and machines*
*push back the jungle.*

. . . the good earth and willing hands of Central America, working with the technology and machines from the north, convert jungle land to habitable farms.

**Irrigation canals and drainage systems** keep the land fertile . . . help control flood and drought.

**Railroads** thrust their way inland, providing for a flow of people and traffic, and speeding harvests of green bananas to coastal ports . . . and out to world markets.

**Dwellings, schools, churches, power plants** spring up as men begin to carve out lives in what was once a vast wilderness.

# *Science*

**Experimental farms** test newest agricultural techniques . . . help boost the crop yield of new acreage.

**Agricultural schools** teach youngsters from Spanish-speaking republics how to work with local tools and local crops to raise local living standards.

*helps open new frontiers*

**Labaratories** make important chemical analyses . . . pioneer research to advance medicine . . . industry . . . agriculture.

**Modern irrigation** creates man-made "showers" in a continuous fight against drought . . . to insure healthy harvests.

# *New Crops...*

The concept of a multi-crop economy in Central America has supplanted the way of the Mayas, who attempted to subsist on a single crop—corn.

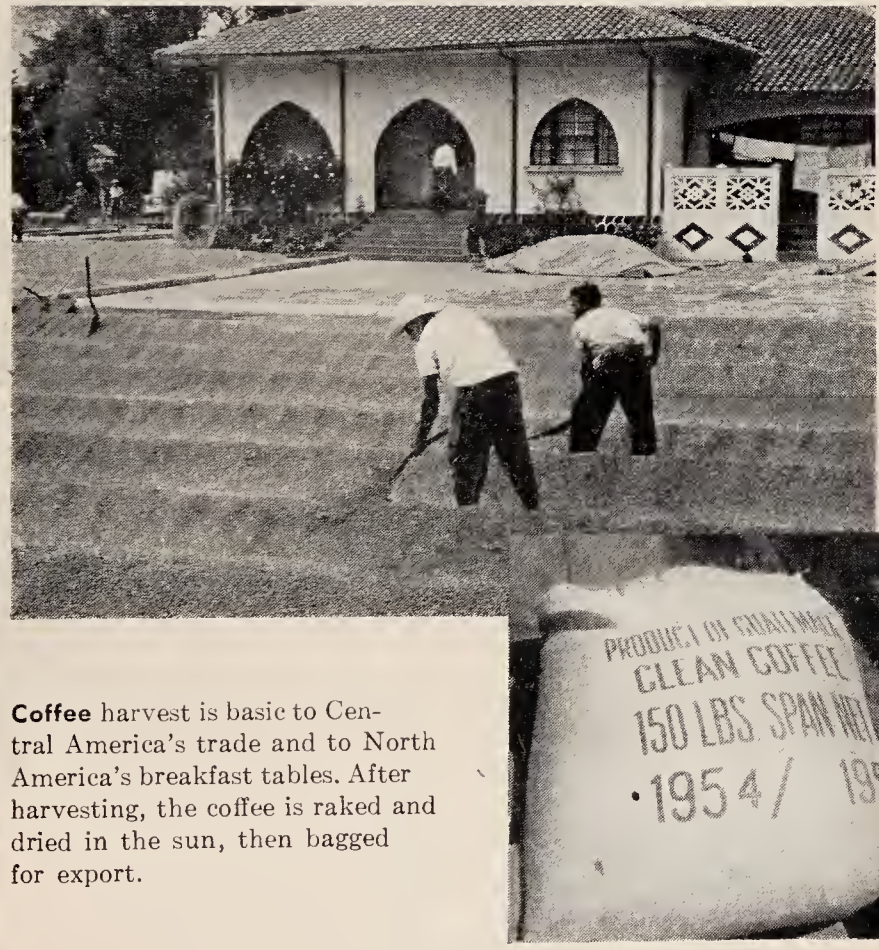
**Abacá plants** yield Manila hemp. Prior to World War II, the world depended on the Far East for high-quality hemp. Now Central America supplies this essential fiber for ships and trade.

# *New Prosperity*

**Palm oil,** until recently, flourished only in the eastern world. Today this important crop is being produced on thousands of acres of the good earth of Central America.

**Cacao** trees furnish the delicate beans for high-grade chocolate and cocoa.

**Sugar** cane thrives in Central America . . . and processing the cane creates more jobs and more prosperity.




**Coffee** harvest is basic to Central America's trade and to North America's breakfast tables. After harvesting, the coffee is raked and dried in the sun, then bagged for export.

**BANANAS** are identified with practically all of the Central American republics. This nutritious fruit flourishes the year round, but needs constant protection against flood, wind, drought, and plant disease.

**Modern conveyors** are extensively used on banana farms to move the fruit with care and speed to the waiting railroad cars for the trip to coastal ports.

The bananas are lifted carefully into precooled holds . . . and sped to northern markets in great white ships.

# *Toward a*

**Children** are special in the tropics. They are treated with dignity, loved dearly. Home and family are the core of Central America—as in any thriving society.

**Churches** are the spiritual homes of the people of Middle America . . . guiding them in their daily lives, uniting them through the inspiration of prayer.

# *bright future . . .*

**Schools** teach the children of Central America how to become useful citizens of tomorrow.

**Hospitals** provide the best in medical care and equipment . . . here's a young life protected from the very start by modern medical techniques.

**To North America,** trade brings the mellow flavor and wholesome goodness of bananas...the sweetness of sugar... the zest of coffee and chocolate... and such industrial raw materials as rope, hides, and lumber. Dollars for these crops flow southward, enabling Central Americans to buy modern machines and manufactured goods—refrigerators, telephones, tractors, sewing machines, automobiles. And so "The Living Circle"—the friendly interdependence of nations through peaceful trade—is helping the people of the Americas to build a good life, now and for the future.

**UNITED FRUIT COMPANY**

The philasaphy af peaceful trade amang natians has been captured in a film entitled **THE LIVING CIRCLE.** United Fruit Company affers this film far special shawings befare accredited graups. We invite yaur carrespandence. Please address us at **United Fruit Company, Dept. FA, Pier 3, North River, New York 6, N. Y.**

## ILLUSTRATED REBUSES

*Answers on Page 107*

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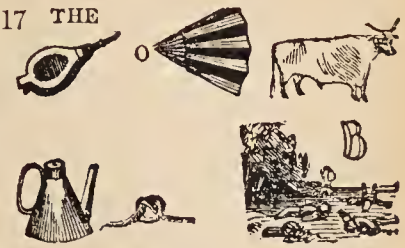


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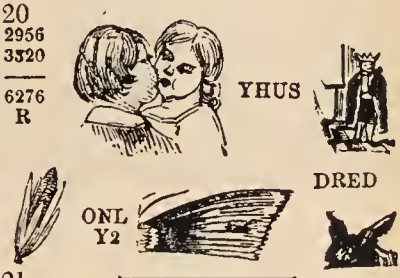


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# For hearty New England eating... it's UNDERWOOD'S!

Underwood fine foods are carefully prepared for unsurpassed quality and flavor. Easy to use. Thrifty, too. Keep "the little red devil" handy in your pantry to add inspiration to your everyday meals.

**Deviled Ham** . . . Uniquely spiced, made from whole hams — easiest to spread, sandwich favorite — or add it to main dishes, eggs and salads for exciting new flavor.

**Liver Snaxpred** . . . Smooth, delicately piquant pate for canapes and sandwiches. Delicious and inexpensive party favorite!

**Maine Sardines** . . . With that deep-sea tang. Packed in spicy oil or zestful mustard dressing for dozens of nutritious menu ideas.

**New England Clam Chowder** . . . The way New Englanders insist on it. Plenty of sweet tender clams and young potatoes. Hearty fare!

Send for free Recipe booklet. Write:
Wm. Underwood Co.,
Watertown, Mass.

### MUSHROOMS DELUX

1 pound mushrooms
1 teas. lemon juice
1 teas. salt
3½ tablespoons chopped parsley
1 T. water
2 cloves garlic, mashed
Freshly ground pepper
1 T. flour
3 T. white wine

Wash the mushrooms and plunge into cold water to which lemon juice has been added. Let stand for ten minutes. Chop stems and halve the mushrooms. Drain and add the seasonings, parsley and garlic. Marinate for ten minutes. Sift in the flour, stir well and moisten with wine and butter. Simmer in shallow pan over direct flame (chafing dish may be used) for ten minutes. Add wine or heat three tablespoons brandy, ignite and pour over mushrooms to serve flaming.

### RAGOUT OF BEEF WITH MUSHROOMS

2 pounds round beef steak
1 pound fresh mushrooms
1 dozen small white onions
½ dozen small carrots
4 T. butter
1 clove mashed garlic
2 T. chopped fresh parsley
1 quart red wine
1 teas. tomato paste
Salt
Freshly ground pepper
1 T. flour

Cut the steak into bite size pieces and brown quickly in butter. Remove the meat from the pan and brown the onions, mushrooms and carrots. Add garlic, tomato paste, flour and parsley. Stir until smooth. Place meat, vegetables and seasonings in Dutch oven and pour over wine within one inch top of the meat. (If more liquid should be needed use beef stock.) Cover and simmer until meat is tender. Allow about 1½ to 2 hours.

### STUFFED CABBAGE WITH MUSHROOMS

1 large head cabbage
1 onion, finely chopped
Olive oil
Thyme
Salt
Freshly ground pepper
2 T. fresh, chopped parsley
1½ pounds ground beef
¾ cup dried mushrooms
½ cup uncooked wild rice
1 can plum tomatoes
Juice of one lemon
¼ cup brown sugar

Pour boiling salted water over the cabbage and let stand for 30 minutes. Separate leaves to stuff. Brown onion in oil and add seasonings, parsley and mushrooms which have been soaked in warm water for thirty minutes. Add rice and meat, adding more oil if necessary. Saute until brown. Thin out the heavy center of cabbage leaf to permit rolling. Place a portion of meat mixture in center of leaf and turn two sides to the middle. Roll open end to other end and tuck in the edges. Pour a little oil in the bottom of a casserole and place cabbage rolls in same. Pour tomatoes and juice, lemon juice and brown sugar over rolls. Cook covered about two hours very slowly over low heat until finished. Check frequently to prevent burning on the bottom.

### MUSHROOMS PARMESAN

1½ pounds mushrooms
1 teas. chopped parsley
4 T. olive oil
3 T. bread crumbs
Salt
Freshly ground pepper
5 T. freshly grated Parmesan Cheese

Wash and drain the mushrooms. Place in a baking dish and sprinkle with olive oil. Sprinkle with seasonings. Top with crumbs and grated cheese. Dot with butter to prevent browning. Bake in a moderate oven for about twenty minutes.

### OYSTERS TERRAPIN with MUSHROOMS

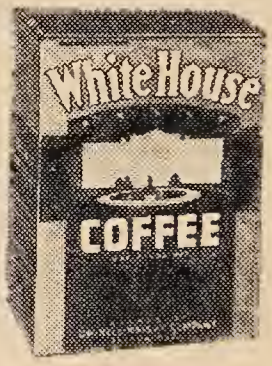
1 pint oysters
1 pound mushrooms
3 onions, fried in butter
Salt
Pepper
1 recipe medium white sauce
Toast

Add mushrooms to the onions which have been sliced fine and fried until light brown and cook for about fifteen minutes. Season with salt and pepper. Combine with one pint raw oysters, drained and one standard recipe for medium white sauce. Cook gently for a few minutes and serve on toast.

*Continued on p. 69*

# *A top Quality Coffee*

*that's easy on your pocketbook*




*Enjoy really good coffee, vacuum packed or in the economy package, and priced to save you money.*

*ask your grocer for*

**WHITE HOUSE COFFEE**

Box 1871 BOSTON, (5) MASS.

### CREAM OF MUSHROOM SOUP

Peel one pound fresh mushrooms; cut the rough ends of the stems and chop coarsely and then put through a food chopper. Melt ¼ cup butter in the top of a double boiler; add one medium sized onion, finely chopped, also the ground mushrooms and cook for five minutes over direct flame, stirring frequently. Sprinkle in 1½ T. of flour and blend well. Gradually stir in 1½ quarts of sweet milk (previously scalded with one large bay leaf, four sprigs parsley and one whole clove, then strained) and cook, stirring almost constantly until the mixture thickens and boils. Season to taste with salt, pepper and a dash of cayenne and a dash of mace; place top of boiler over hot water and let simmer gently for 20 minutes stirring frequently. Turn into a fine-meshed wire sieve and rub through into a fresh saucepan; return to the fire, taste for seasoning and stir in one half cup of sweet, scalded heavy cream to which has been added 2 well beaten egg yolks. Stir briskly. Serve in heated soup plates with croutons.

### HOME TIPS

If heavy pieces of furniture have made marks on your rug nap dampen a piece of heavy flannel folded to several thicknesses and place over the mark. Let remain overnight and the mark should disappear.

A note from Grandma's housekeeping book—Old soap lasts much longer than fresh soap so buy your family supply well in advance. Remove wrappers and place in linen closet to dry.

To make easy, one of the most miserable jobs in the household chore department, cleaning a stove oven, place a saucer with four or five tablespoons of household ammonia in the oven, close the door and let stand overnight. In the morning you will find the grease will clean off easily.

When tieing packages wet the cord, as the cord dries it will shrink making a nice secure package.

To sharpen your household scissors cut through fine sandpaper.

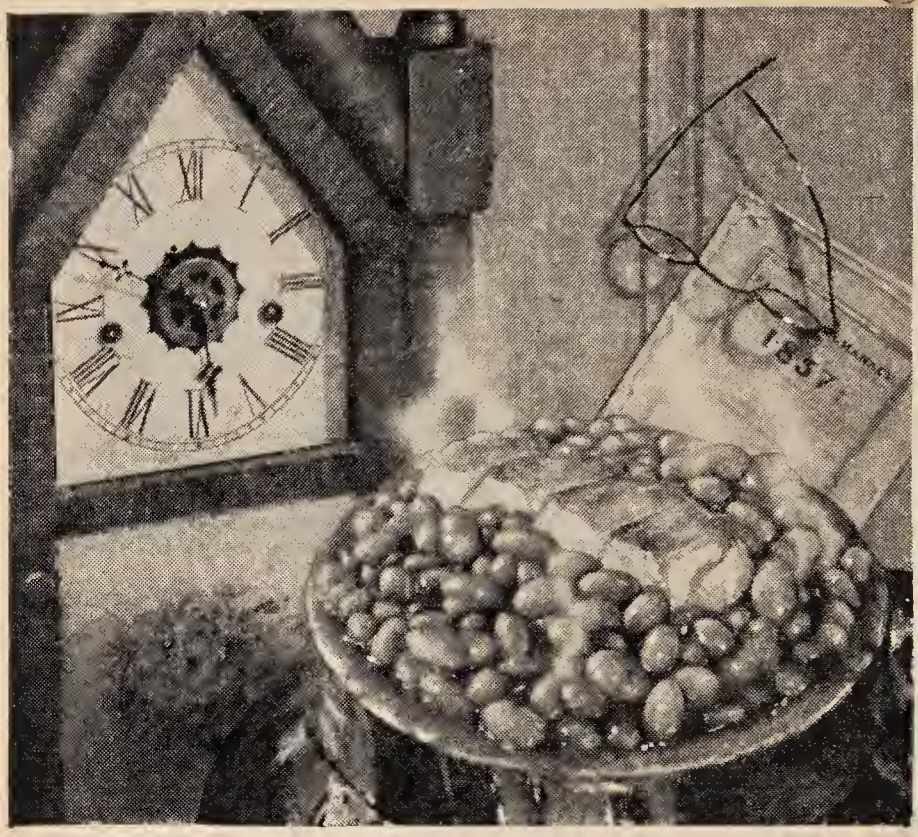
## FANTASTIC, HYGIENIC, AND QUATERNION!

(Continued from page 43)

more people do not do so, perhaps by joining one of the many mycological clubs, for they would thus embark on a hobby that offers a delicious food free for the picking, healthy walks—endless and growing fascination.

One large species, yellowish-red in color, is known as the Fly mushroom, for it is poisonous to those insects, a fact that is being investigated for its commercial possibilities. Cows dote on this mushroom and will race each other across a pasture to secure it; their predilection gives some concern to farmers in Nova Scotia, where the mushroom is especially abundant, for though it causes the cows no harm it does dry up their milk or render it bitter and unwholesome for humans. Although the Fly mushroom is poisonous to humans, certain Siberian tribes once were notorious for using an infusion made of dried specimens as an intoxicant, staging glorious binges that lasted for thirty-six hours or more. Even in this country, back in the last century when certain gay souls used to gather to sniff "laughing gas," there were "Panaeolus parties." These mushrooms, used in cautious quantities, induced hilarity and odd visions that were deemed vastly entertaining.

The reproduction of mushrooms is exceptionally odd, possessed as they are of four sexes; roughly speaking, A must be introduced to C, and B must meet up with D, and all this underground and in the dark! But the system works out well enough, for some of the tribe have been around millions of years, longer far than man, and are possessed of such cunning modes of survival that some biologists believe that, like the meek, they may some day inherit the earth. When one considers that a medium-sized "Giant Puffball" (specimens have been found with a six-foot girth) has been computed to contain some 7,000,000,000,000 spores (seeds), it becomes apparent that they are taking no chances of race suicide. Should all the spores germinate our troubles would be solved, for this globe we share would be completely upholstered in puffballs.



These plump, tender B & M Brick Oven Baked Beans are baked all day long in real bean pots with a luscious sauce of brown sugar and spices and big chunks of tender pork. Serve them often with B & M Brown Bread, steamed or toasted, for real "down east" good eating.

B&M New England
**brick oven**
**BAKED BEANS**

BURNHAM & MORRILL CO., Portland, Maine

# CHALLENGES OF 1957

Readers of page 92 of last year's edition of this Almanac(k) will not be surprised when we tell them, through the courtesy of the United States Hydrographic Office, that there were some changes in the currents, temperatures, and barometric pressure areas between Iceland and Newfoundland this past Spring. After consultation with the six foremost climatological experts in this country with regard to the effects these changes may have on our future climate, we are unable to report, with the possible exception in the case of Dr. Schell of Tufts University, that the warming of the Laborator Current by two degrees, the shifting of the winds from offshore to onshore, the replacement of an Icelandic high by an Icelandic low, and the presence in June for the first time in quite a few years of considerable ice near the Avalon Peninsula, have any real climatic significance. Dr. Hurd Willett at M.I.T., long an authority in these matters, however, cautioned us that a study of the year 1927 might be revealing as to the nature of 1957.

Be the weather what it may however, we should like to feel that 1957 will bring us closer to the understanding of existence in general. Nature still holds forth **great** answers for those who will solve its riddles. One of these answers may become apparent from the lowly mushroom. This you will find taken up in some detail beginning on page 41 of this edition.

Another arises in a curious sequel to the "Famous Spectre of Bath, Maine," which appeared in this Almanac (page 91) last year. Following the publication of this story, we were pleased to receive a gift of fifteen pounds of honey from M. E. Ballard, a large honey producer at Roxbury, New York. Mr. Ballard, it seems, was attracted to the spectre story because certain parts of it resembled some of his personal experiences. More than once in his life he has been forewarned, through dreams, of deaths or illnesses in his family. Suffering in late years from rheumatism and other arthritic difficulties which came to affect his heart, he told us he had turned to the cure of himself through bee stings. Often at night he would be told through unexplained knockings on his bedroom wall of an imminent heart attack. These knocks would give him ample time to put the bee stings on the back of his neck where the "nerve leads off from the spine to the heart." Mr. Ballard's motive in writing us was a simple one. In his own words, "I want to tell the people of this world that they have a lot more to be concerned about than some of the common things their minds are taken up with."

We were interested therefore to learn this Spring that a team of French doctors and chemists are at present undertaking intensive experiments which relate to the "royal jelly" which is fed to their queen by worker bees. According to the account of R. Middleton in **The Country Guide** of Winnipeg, Manitoba (May, 1956), the queen bee arises out of the same larva that any worker bee does. But worker bees, in feeding the queen bee larva a "royal jelly", cause the selected larva (in under two weeks) to become twice the size and weight of its fellow drone and worker larvae. Further, the "royal jelly" brings about in the queen a life **sixteen times as long** as the lives of the drones and workers brought up on just ordinary honey. The secret which these French scientists hope one day to reveal is of course a wonder drug, chemically similar to this "royal jelly", which will prolong human life.

Studies of this "royal jelly" are not new. Leonard Bordas of Paris, now 92, has been pursuing the subject in France since 1894. Mrs. Julia Owen of Kensington, London, has proved there is a chemical substance in the bodies of worker bees that has curative powers. She has made a series of amazing cures of arthritis through bee stings, one of which was blindness due to arthritis in 52 year old William Eyre.

How fabulous is this challenge of Nature as we face another year, that of 1957: the secret of living sixteen times as long from bee jelly; the elimination of need for the body through the lowly mushroom; the determination of weather from reading the pulse of an ocean current.

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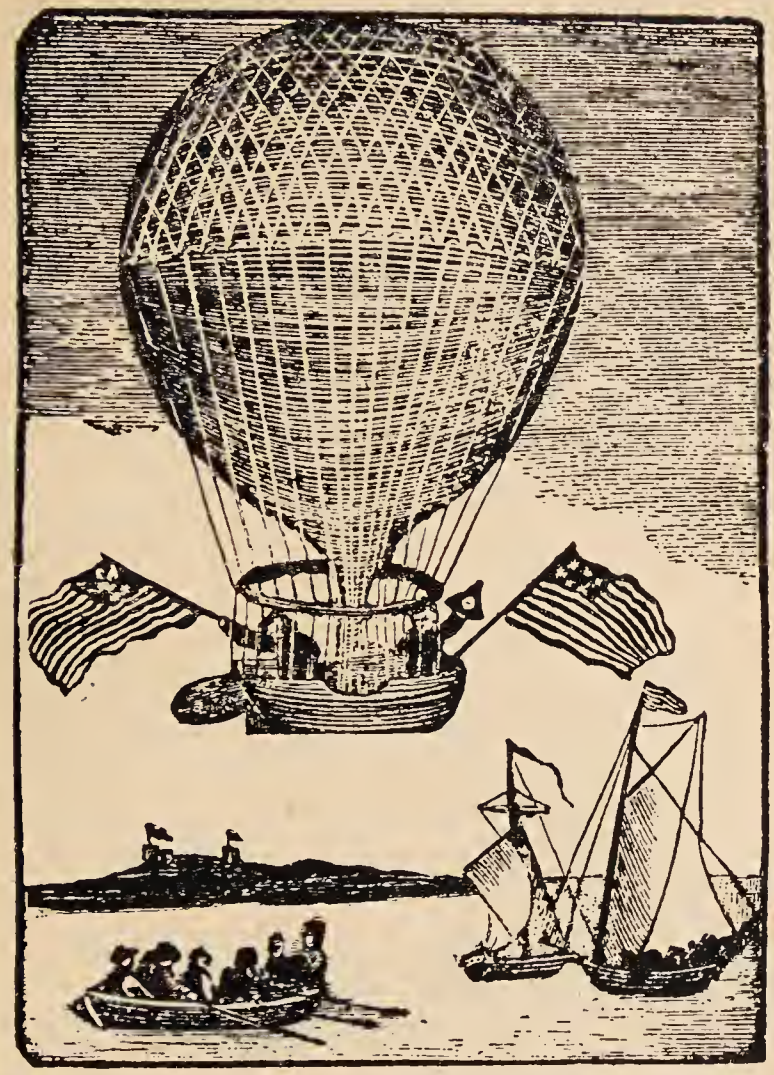

## VOYAGE ACROSS IRISH CHANNEL

DUBLIN, IRELAND, July 22, 1818. Windram Sadler, Jr. daring aeronaut, ascended at 20 minutes past 1 o'clock P.M. from Portobello Barracks in a W.-S.W. wind. At 14 minutes to 3, two and a half miles up, thermometer at 38, just out of a snow shower, he could trace the indented coast, North of Dublin—and at five minutes past 3 saw the mountain tops of Wales. At 23 minutes past six he prepared for descent a little south of the lighthouse at Holyhead in Wales. He cast over his grappling line and other loose articles, including three eggs, one of which took 29 seconds to reach the water, another of which broke into pieces before reaching the sea. "At five minutes after seven o'clock I trod on the shores of Wales," Mr. Sadler said, "the first Aeronaut who has successfully accomplished the passage of the Irish Channel."

## I.G.Y. YEAR, 1957–1958 (ATOMIC YEAR 13–14)

(Continued from page 4)

the Atomic Energy Commission, a "new dawn of hope for mankind which may well be the means of providing for all peoples a higher standard of living, better health, and relaxation of world tensions."

In the meanwhile, the other great need of expanding population—heat and power (twenty times what it is now by 2000 A.D.)—in the opinion of Dr. Willard Libby, also of the Atomic Energy Commission, may be satisfied by atomic power. Atomic power plants are being built. Consolidated Edison Company's plant at Indian Point, New York, is one example of one type. Another is a small army plant at Fort Belvoir, Virginia. Certain reactor experiments, combined with additional growth in chemical technology, look as if power and heat sources may be brought along in step with food and nutrition atomic energy advances.

It seems pertinent at this time however that humanity make up its mind whether it wishes to proceed any further along the rim of war and total destruction in the competitive race for bigger and better thermo-nuclear weapons. It seems obvious in the inherent dangers of fall-out, atmosphere disturbance, world wide tensions—to say nothing of war itself—this road of darkness should be abandoned for the one which leads to that of benefits and happiness. The age old argument for progress may be said to be won in looking back at how far we have come. In this, depending on what view you take, the account of a balloon ascension of 1818, from an old almanac, has been included on the preceding page. If the now seemingly amusing experiments of that day in your mind seem to have resulted in a happier world of today, it will be difficult for you not to be optimistic about the future.

## LAST WINTER'S WEATHER

(Continued from page 9)

very cold." **Right.** (In some places this was the longest cold spell on record. Note the wind stayed in the North all month except for 4 days.) January: 1–3, "snowy—blowy." **Right.** 5–10, "rain then snow." **It was mostly rain.** 12–18, "cold." **Wrong.** 18–21, "cold." **Right.** 22–24, "fog." **Right.** 23–25, "thaw." **Wrong.** 26, "fine." **Wrong.** 26–31, "storms." **Right.** February: 1–11, "cold, stormy." **Right.** 12–16, "cold spell." **Wrong.** 17–23, "rain or snow." **Right.** 24–29, "E. gales and snow." **Right.** March: 1–4, "windy and snow." **Right.** 10–14, "snowstorm." **Right.** 15–23, "tornadoes and gales." **Right.** 24–25, "fine." **Wrong.** 26–31, "rain—haze." **Right.** March was the most snowy month in all history at Blue Hill Observatory, Boston, and in many other places. The foregoing summary is given not so much to "prove" Abe's prowess as to leave a record of the winter as it did happen for future generations.


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FREE PRIZES EXTRA

IF YOU ARE A BOY 12 OR OLDER SEND THIS COUPON NOW IN AN ENVELOPE OR PASTED ON A POST CARD

*Print Name and Address*

GRIT PUBLISHING CO., Williamsport, Pa.

Start me in as a GRIT salesman. O 7

Name .....

Age ..... Date Born ..... Year ....

Street or R. D. .....

Post Office .....

Are You a Boy? ..... State .....

Please Print Your Last Name Plainly Below

## ANTIQUE LAMPS

Wired, repaired, re-built right! Every Part, Globes, Chimneys, etc.

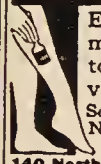
**LEITZEL'S**

(advertised nationwide)

**208 West Mason, Owosso, Mich., U.S.A.**

Send stamp with questions.

## OLD LEG TROUBLE



Easy to use Viscose Applications may heal many old leg sores due to venous congestion of varicose veins, leg swelling or injuries. Send today for a FREE BOOK and NO-COST-FOR-TRIAL-plan.

**O.F. VISCOSE COMPANY**

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## WARTS GO!

TRAW, an amazing liquid, quickly—easily removes ugly, embarrassing warts—leaves skin smooth and beautiful. No pain—horny growths dry up. Results guaranteed or money back. Only $1.00. We mail promptly. No C.O.D.'s. Write today.

**TRAW, Dept. OF-6, Martin Ave., Clifton, N.J.**

A Quality Household Product

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***RELIEVES***

**HAY FEVER — SINUS**
**SUN BURN — DIAPER RASH**
**BURNS AND ATHLETES FOOT**

A preparation having many uses and recommended by the medical profession for over 45 years.

Get Boroleum today at your druggist. May be safely used on all parts of the body.

Contains Menthol, Camphor, Eucalyptol, Methyl Salicylate, Boric Acid, and Petrolatum.

*All Ingredients U.S.P.*

*If your druggist is out of stock, order by mail. Send 60¢ for each tube to —*

COMMENDED BY THE CONSUMERS SERVICE BUREAU OF PARENTS' MAGAZINE AS ADVERTISED THEREIN

**SINCLAIR PHARMACAL CO., Inc.**
**FISHERS ISLAND, NEW YORK**

# ANECDOTES AND PLEASANTRIES

## *RHYMING CALENDAR*

JANet was quite ill one day
FEBrile troubles came her way
MARtyr-like she lay in bed:
APRoned nurses softly sped.
MAYbe, said the leech judicial,
JUNket would be beneficial.
JULeps too, though freely tried
AUGured ill, for Janet died.
SEPulchre was sadly made
OCTaves pealed and prayers were said
NOVices with many a tear
DECorated Janet's bier.

*From old puzzle book,*
*Courtesy J. G. Curtis*

## *CORN PLANTING RULE*

(The reply of a farmer to the question how many kernels he put in a hill.)

One for the black-bird,
One for the crow,
One for the cut-worm,
**And two to grow.**

1833

## *HE WHO PAYS*

An old picture represents a king sitting in state, with a label, "I govern all"—a bishop with a legend, "I pray for all" —a soldier with a motto, "I fight for all"—and a farmer, drawing forth reluctantly a purse, with the superscription, **"I pay for all!"**

*N. E. Farmer,* 1842

## *THE WORD DOLLAR*

Dollar is a word that has passed through various forms. It was thal, thaler, dahler, daalder, daler and tallero. It originally came fom Thal, a town in Bohemia. Here coins of an ounce in weight were made. They were called Joachim's thaler or Schlicken thaler. So popular did these coins become that they gave their name to those that came after them. Their manufacture dates from about the year 1518.

## *FORECASTING FORMULA*

(*As Good Today As It Was Then*)

After an observation of sixty years, I am led to believe that crops are subject to a great rotation of twenty or forty years; I am not certain which. If it is twenty, it will answer to calculate it at forty, but not at twenty if it be forty. If it be true that there is a regular rotation in crops, then no pains should be spared to understand it, as it would inform us what years a crop would grow well and what years it would not. Besides this general rotation, there is a smaller one.

**Wheat** has a rotation of eight years; and for sixty years it has been so exact, that every other leap year has been a good one for this crop, and every other a bad one. I believe, but don't know certain, that the proportion of good and bad years in the eight, is five of good and three of bad; or four of each. The years 1833, '34 and '35, were good years for wheat, and I believe 1832 was, but do not certainly recollect. The year 1836 was bad, and we may expect 1837 and '38 to be the same.

**Corn.** Corn has a rotation of six or eight years, I do not know certainly which. 1831 was a fruitful year. 1832 and '33 poor; 1834 good; 1835 poor, 1936 bad. 1837 will be middling; 1838, good, and 1839 excellent, 1840 middling again. The crops do not change from good to bad, and from bad to good, at once, but gradually. After a bad year, nature recovers herself by degrees. It may be observed that the same years are not good for corn and wheat. The years from 1777 to '80, 1797 to 1800, 1817 to 1820, were good years for corn.

*A Revolutionary Soldier,*
*N. E. Farmer, S. 17. 1837*

In 1818, Dr. Arnold discovered in the island of Sumatra a flower which he named the Raffiesia Arnoldi, and which an author has called with much justice "the magnificent Titan of the vegetable kingdom." The human mind indeed had never conceived such a flower; its circumference, when expanded, is nine feet; its nectarium calculated to hold nine pints—the pistils are as large as cows' horns, and the entire weight of the blossom computed to be 15 pounds.

## A RICH PUFF

A manufacturer and vendor of patent medicine recently wrote to a friend living out west, for a strong recommendation of his (the manufacturer's) "Balsam." In a few days he received the following, which we call pretty stroug:

"**Dear Sir:**—The land composing my farm had hitherto been so poor that a Scotchman could not get a living off it, and so stony that we had to slice our potatoes and plant them edgeways; but hearing of your Balsam, I put some on a ten acre lot surrounded by a rail road fence, and in the morning I found that the rock had entirely disappeared, a neat stone wall encircled the field, and the rails were split into oven wood, and piled up systematically in my back yard.

"I put half an ounce into the middle of a huckleberry swamp —in two days it was cleared off, planted with corn and pumpkins, and a row of peach trees in full blossom through the middle.

"As an evidence of its tremendous strength, I would say that it drew a striking likeness of my eldest son, out of a mill-pond, drew a blister all over his stomach, drew a load of potatoes four miles to market, and eventually drew a prize of ninety-seven dollars in a lottery."

*Portland, Me., Trans.,* 1858

## STOOP A LITTLE

The following story related by Dr. Franklin in a letter to Dr. Mather, has been often told, and is well worth telling again:

"The last time I saw your father (says Dr. Franklin,) was in 1724. In taking my leave, he showed me a shorter way out of the house, through a narrow passage, which was crossed by a beam over head. We were still talking as I withdrew, he accompanying me behind, and I turning towards him, he said hastily, '**Stoop! stoop!**' I did not understand him till I felt my head hit against the beam. He was a man who never missed an occasion of giving instruction, and upon this he said to me, 'You are young, and have the world before you: **stoop a little** as you go through it, and you will avoid many hard thumps.' This advice, thus beat into my head, has frequently been of use to me; and I often think of it when I see pride mortified and misfortunes brought upon people by carrying their heads to high."

## OLD ENGLISH PRAYER

Give me a good digestion, Lord and something to digest

Give me a healthy body, Lord and sense enough to keep it at its best,

Give me a thoughtful mind, dear Lord, to keep the pure and good in sight, and when seeing Sin is not appalled, but finds a way to make it right.

Give me a mind that is not bored—that does not whimper, whine nor cry,

Do not let me worry over much, dear Lord

About that fussy thing called I

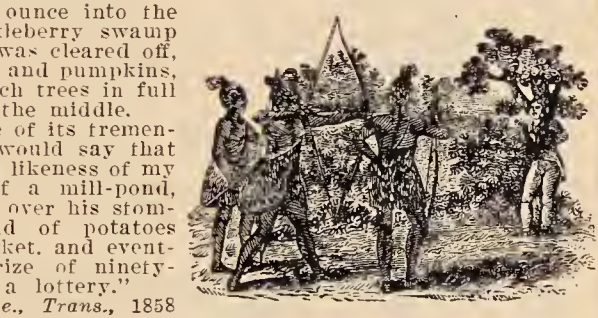
Give me a sense of humor, Lord

Give me the grace to see a Joke;

To get some happiness from Life

And pass it on to other folk.

*Mrs. C. B. Terrell*



## FORGET ME NOT

Mills, in his work on Chivalry, mentions that the beautiful flower called Forget-me-uot, was known iu England as early as the time of Edward IV, and in a note, he gives the following pretty incident, in explanation of the name:

"Two lovers were loitering along the margin of a lake, on a fine summer evening, when the maiden discovered some flowers of the Myosotis growing on the water, close to the bank of an island, and at some distance from the shore. She expressed a desire to possess them, when her knight, in the true spirit of chivalry, plunged into the water, and swimming to the spot, cropped the wished-for plant; but his strength was unable to fulfil the object of his daring; and feeling that he could not regain the shore, although very near it, he threw the flowers upon the bank, and casting a last affectionate look upon his lady-love, he said, "Forget me not," and was buried in the water."

*Gears for Every Purpose ... one gear or 10,000 or more*

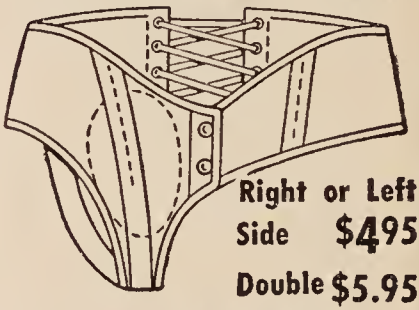
# ILLINOIS GEAR & MACHINE COMPANY

CHICAGO

Immediate Comfort
And Relief for You with

# RUPTURE-EASER

T.M. Reg. U.S. Pat. Off. A Piper Brace Truss
For MEN, WOMEN and CHILDREN



Right or Left Side $4.95

Double $5.95

**NO FITTING REQUIRED**

A strong, form-fitting washable support designed to give you relief and comfort. Adjustable back-lacing and adjustable leg straps. Snaps up in front. Soft flat groin pad—NO STEEL OR LEATHER BANDS. Unexcelled for comfort. INVISIBLE UNDER LIGHT CLOTHING. Washable. Also used as after operation support.

- **A MOST EFFECTIVE SUPPORT FOR REDUCIBLE INGUINAL HERNIA.**
  Thousands of people who have tried other devices turn to Rupture-Easer for new comfort.
- **RUPTURE-EASER IS SANITARY.**
  Can be washed without harm to fabric—you never offend when you wear Rupture-Easer.
- **NO FITTING REQUIRED.**
  Just measure around the lowest part of the abdomen and specify right or left side or double.

**OVER 1,000,000 GRATEFUL USERS**

Blessed Relief Day and Night —You can sleep in it—you can work in it—you can bathe in it.

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Please send my RUPTURE-EASER by return mail.

Right Side ☐ $4.95
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Double ☐ $5.95

Measure around lowest part of my abdomen is _____ INCHES

We Prepay Postage Except on C.O.D.'s
Enclosed is: ☐ Money Order

☐ Check for $_____ ☐ Send C.O.D.

Name_____

Address_____

City and State_____

*Science Develops New Tablet:*

# Relieves "Hot Flashes," Irritation From Change-of-Life For 8 of 10 Tested – Without Costly Injections

Boston, Mass. (Special) — Medical science now offers women new freedom from much of the miseries of change-of-life! Today, you can have relief from "hot flashes," tortured nerves, weakness, and other functionally-caused distress ...thanks to a remarkable tablet developed *especially* to relieve these discomforts. Doctors report amazing results using this home treatment alone...and *no* expensive injections.

Irritability was calmed. Dizziness was relieved. Suffocating heat waves subsided. 8 out of 10 women tested got wonderful relief!

This new formula is a unique combination of special medicines. It acts on a woman's sympathetic nervous system to relieve the tense feelings and physical distress that cause unhappiness in so many homes. Tests prove the new tablet has positive medical action.

It is now sold at drug stores, without a prescription, under the name of "Lydia Pinkham's Tablets." Easy-to-take, contain iron.

Don't let change-of-life rob *your* life of joy. Start taking Pinkham's Tablets. See how fast you can feel your happy self again — without troublesome injections! (For liquid, get Lydia E. Pinkham's Vegetable Compound.)

# Constipated?

*world famous* **NALTHER TABLETS**

*"Take Winter's Tablets at Night, Feel like Spring in the Morning"*

(formerly known as Nature's Health Restorer) are a safe and gentle herb laxative made of the purest plants, roots and herbs.

Used by families all over the world for 60 YEARS

Send only $1.25 for economical 6 month supply of 201 Tablets

*order today* **THE M. A. WINTER CO.** Box 4243, Washington 12, D. C.

In 1818, Wm. Fairbairn of England devised the first bored and keyed wheels that helped revolutionize power transmission. In 1953, DeVan-Johnson registered MAK-A-KEY in the U. S. Patent Office — zinc-coated bars of steel machine key stock; packaged in 12 in. lengths: 3/16, 1/4, 5/16, 3/8, 7/16 and 1/2 in. squares. Farmers, shops and handymen use MAK-A-KEY for repairs and replacements

Get MAK-A-KEY at hardware, implement and general stores.

**DEVAN-JOHNSON CO.** 577 Rathbone Ave. AURORA, ILLINOIS

# Get Slim Drinking Milk

## LARSON'S S.M.D.

**The Swedish Milk Diet**

Larson's S.M.D. is a special diet plan invented in Sweden. If you are over-weight because you eat too much and if you want to reduce safely, send $1 and see for yourself that you don't have to be so fat.

**HELPS COUNTERACT HUNGER ON THE 3 DIET DAYS** The creamy milk diet containing Larson's S.M.D. is a complete food which helps take away the hungry feeling on diet days. Healthy, not dangerous. Takes off excess fat in a natural way without using drug or slimming ingredients.

**THE SCALE YOUR FRIEND** After the first day of the Swedish Milk Diet you should start to lose weight. In a week you will not be afraid to look at the scale anymore. Get on the scale and check how much weight you have lost. This will satisfy you. And it actually costs nothing if you compare with the cost of the expensive food you do not need on a diet day. You lose that ugly superfluous fat and at the same time you save money.

**NO UNDERFEEDING** The Larson's S.M.D. Swedish Milk Diet contains full daily requirements of minerals, necessary vitamins, calcium, protein, carbohydrates, iron, phosphorous, energy elements. And the Swedish Milk Diet gives you the necessary variation between diet days and days with normal meals when you eat like you do now. You only use Larson's S.M.D. 3 days a week. The other 4 days a week you don't diet at all but eat just like you do now.

**IMPROVE YOUR HEALTH** Larson's S.M.D. helps keep you regular. With using Larson's S.M.D. Swedish Milk Diet you shouldn't feel tired or depressed because of the need for a laxative. Larson's S.M.D. supplies healthy bulk. Be less likely to feel listless, dull, sluggish due to a laxative. And every look in the mirror will confirm that you have changed, look and act younger, be ahle to wear more youthful clothes that will fit better. And with all that weight gone your doctor will certainly approve.

### One Week's Test Only $1

Send $1 with your name and address for a full week's supply of Larson's S.M.D. (4 weeks' supply only $3). If C.O.D. postage is extra. Be satisfied or return empty container for money back. Rush order today to:

**LARSON'S S. M. D. CO., Dept. 580, 230 N. Michigan Ave., Chicago 1, Illinois**

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*Amazing New Creme Color Shampoo*

# RE-COLORS HAIR

**IN 17 MINUTES**

Now change streaked, gray, graying or drab hair to a new lustrous youthful-looking color, try Tintz Creme Color Shampoo today. It's a new hair coloring that recolors hair at home as it shampoos. Takes only 17 minutes. No waiting for results. It's easy to use — no messy mixing. Won't wash or rub out. Get your choice of color today: Lt. Ash Blond, Gold Blond, Red Blond, Blond, Lt. Warm Brown, Lt. Auburn, Auburn, Med. Warm Brown, Dk. Warm Brown, Dk. Brown, Lt. Brown, Med. Brown, Black, Jet Black.

**Ask for your shade of Tintz Creme Color Shampoo. Only $1.50 plus tax at drug stores everywhere.**

**TINTZ CO.,** Dept. 572, 230 N. Michigan Ave., Chicago 1, Illinois

# STIX makes FALSE TEETH FIT SNUG

for uppers

or lowers

**NEW Soft-Plastic Liner Gives Months of Comfort** Amazing cushion-soft STIX tightens loose plates; quickly relieve sore gums. You can eat anything! Talk and laugh without embarrassment. *Easy to apply and clean.* Molds to gums and sticks to plates, yet never hardens; easily removed. No messy powders, pastes or wax pads. Harmless to plates and mouth. ***Thousands of Delighted Users*** get relief from loose plates and sore gums. Mail only $1 today for 2 STIX Liners postpaid.

**2 LINERS $1**
**MONEY BACK IF NOT SATISFIED**

**STIX DENTAL PRODUCTS, Dept. A7**
**330 S. DEARBORN ST. CHICAGO 4, ILL.**

## MOTOR OVERHAUL $2.98

Amazing chemical compound discovery works internally like magic. Replates friction-worn surface, stops overheating, tightens loose rattling parts, fills in cracks and pit marks. Noisy pounding motors with sticky valves that stall in traffic and on hills, sputter, burn too much gas and oil and start poorly in cold weather instantly run smooth and powerful as new! Simple as pouring in oil. Works while you ride. Makes motors last years longer. For all makes, years, models, cars, trucks, tractors, taxis, boats. Pays for itself many times over in gas and oil savings alone!

**SEND NO MONEY . . . USE AT OUR RISK** Let us send you a full complete MOTOR FIXIT treatment to put in your motor on approval. All we ask is that you deposit $2.98 price plus C.O.D. postage thru postman on arrival. If you don't agree MOTOR FIXIT fixes up your motor as well as any $50 garage mechanics overhauls, return empty can for money back. Write today to

**FLEETWOOD CO., Dept. 577**
**230 N. Michigan Ave., Chicago 1, Ill.**

# MOTOR VEHICLE LAWS — 1956

*Courtesy*: American Automobile Association

| State | Op. Rd. Speed Max. (R—reasonable) | Date new license plates can be used | Driving license Minimum age | Gasoline tax | Percent sales tax | Period of stay[1] | Safety responsibility law | Certificate of title required |
|---|---|---|---|---|---|---|---|---|
| Alabama | 60 | Oct. 1 | 16 | $.07 | 1 | Reciprocal | A | no |
| Arizona | R | Dec. 1 | 18a | .05 | 2 | [3] | A | yes |
| Arkansas | 60 | Jan. 1 | 14c | .065 | 2 | 30 days | A | yes |
| California | 55 | Jan. 3 | 16b | .06 | 3 | [3] | A | yes |
| Colorado | 60 | Jan. 1 | 16 | .06 | 2 | Reciprocal | A | yes |
| Connecticut | 45 | Feb. 15 | 16 | .06 | 3 | 6 mos. | A | no |
| Delaware | 55 | 3 mos.* | 16 | .05 | ... | 90 days | A | yes |
| D. C. | 25 | Mar. 1 | 16† | .06 | 2 | Reciprocal | A | yes |
| Florida | 60 | Jan. 1 | 16b† | .07 | ... | Reciprocal | A-B | yes |
| Georgia | 60 | Jan. 1 | 16 | .065 | 3 | 30 days | A | no |
| Idaho | 60 | Dec. 1 | 16b | .06 | ... | Reciprocal | A | yes |
| Illinois | 60 | On issue | 16† | .05 | 2 | Reciprocal | A | yes |
| Indiana | 65 | Jan. 3 | 16 | .04 | ... | 60 days | A | yes |
| Iowa | R | Dec. 1 | 16b | .06 | 2 | Reciprocal | A | yes |
| Kansas | R | Jan. 1 | 16b | .05 | 2 | [3] | D | yes |
| Kentucky | 60 | Dec. 29 | 16 | .07 | ... | Reciprocal | A | [6] |
| Louisiana | 60 | Dec. 1 | 15 | .07 | 2 | Reciprocal | A | yes |
| Maine | 45 | Dec. 25 | 15† | .07 | 2 | Reciprocal | A | no |
| Maryland | 50 | Mar. 1 | 16h | .06 | 2 | 90 days | A | yes |
| Massachusetts | 40 | Jan. 1 | 16 | .0 | ... | Reciprocal | C | no |
| Michigan | R | Dec. 1 | 16b | .06 | 3 | 90 days | A | yes |
| Minnesota | 60 | Nov. 1 | 15† | .05 | ... | Reciprocal | A | yes |
| Mississippi | 60 | Nov. 1 | 17d | .07 | 2 | 30 days | A | no |
| Missouri | R | On issue | 16d | .03 | 2 | Reciprocal | A | yes |
| Montana | R | Jan. 1 | 15 | .07 | ... | 30 days | A | yes |
| Nebraska | 60 | Jan. 1 | 15 | .06 | ... | Reciprocal | A | yes |
| Nevada | R | Dec. 1 | 16 | .06 | 2 | [3] | A | yes |
| New Hampshire | 50 | Mar. 1 | 16 | .05 | ... | Reciprocal | A | no |
| New Jersey | 50 | Mar. 1 | 17 | .04 | ... | Reciprocal | A | yes |
| New Mexico | 60 | Dec. 15 | 14 | .06 | 2 | 90 days | B | yes |
| New York | 50 | Jan. 1 | 18a | .04 | ... | Reciprocal | A | yes |
| North Carolina | 55 | Dec. 1 | 16† | .07 | 3 | Reciprocal | A | yes |
| North Dakota | 65 | Nov. 1 | 16b | .06 | 2 | Reciprocal | A | yes |
| Ohio | 50 | Mar. 1 | 16b | .05 | 3 | Reciprocal | A | yes |
| Oklahoma | 65 | Dec. 11 | 16b | .065 | 2 | 60 days | A | yes |
| Oregon | 55 | On issue | 16b | .06 | ... | Reciprocal | A | yes |
| Pennsylvania | 50 | ar. 15 | 18†a | .06 | 1 | Reciprocal | A | yes |
| Rbode Island | 50 | ar. 1 | 16 | .04 | 2 | Reciprocal | A | no |
| South Carolina | 55 | Sept. 13 | 14 | .07 | 3 | 90 days | A | no |
| Soutb Dakota | 60 | Jan. 1 | 15 | .05 | 2 | 60 days | D | yes |
| Tennessee | 65 | Mar. 1 | 16b | .07 | 3 | 30 days | A | yes |
| Texas | 60 | Feb. 1 | 16b | .04 | 2 | Reciprocal | A | yes |
| Utab | 60 | Dec. 15 | 16 | .05 | 2 | Reciprocal | A | yes |
| Vermont | 50 | Mar. 1 | 18a | .055 | ... | Reciprocal | A | no |
| Virginia | 55 | Mar. 15 | 15f | .06 | ... | 60 days | A | yes |
| Washington | 60 | Jan. 1 | 16 | .065 | 3 | Reciprocal | A | yes |
| West Virginia | 55 | June 20 | 16 | .06 | ... | 90 days | A | yes |
| Wisconsin | 65 | On issue | 16b | .06 | ... | Reciprocal | A | yes |
| Wyoming | 60 | Dec. 1 | 15h | .05 | 2 | 90 days | A | yes |

[1]Applies to nonresidents. Tbe term "reciprocal" means that the state will extend to a nonresident the identical privileges granted by bis home state to nonresident motorists. In some states visitors must register within a specified time. In most states persons wbo intend to reside permanently must buy new plates and secure new driving license at once, or within a limited period. Acquisition of employment or placing children in public scbool is often considered intention to reside permanently.

[2]None on used cars.
[3]Until expiration of bome registration:
[4]Three months before current registration expires:
[5]Use tax on new cars, first registration of used cars:
[6]Bill of sale must be filed.

A: Modern "security" type
B. "Future proof" type:
C. Compulsory.
D. Old "S-R" type.

[7]Permit showing compliance with state compulsory liability insurance law must be obtained after 30 days.

ss$15 maximum. [8]Visitor's permit required after 10 days. *Prior to expiration of 1955 regis.

(a) Jr. p'mt 16. (b) Jr. p'mt 14. (c) 14-16 need parent lic. sig. and under 18 need par. lic., sig. (d) Jr. p'mt 15. (e) 15½-16 need acc. by lic. op. and permit. (f) Exc. cert. cities. (h) Under 21, need par. lic. sig.

# Bass Fishermen Will Say I'm Crazy . . .

## until they try my method!

**But, after an honest trial . . . if you're at all like the other men to whom I've told my strange plan . . . you'll guard it with your last breath.**

Don't jump at conclusions. I'm not a manufacturer of any fancy new lure. I have no reels or lines to sell. I'm a professional man and make a good living in my profession. But my all-absorbing hobby is fishing. And, quite by accident, I've discovered how to go to waters that most fishermen say are fished out and come in with a good catch of the biggest bass that you ever saw. The savage old bass that got so big, because they were "wise" to every ordinary way of fishing.

This METHOD is NOT spinning, trolling, casting, fly fishing, trot line fishing, set line fishing, hand line fishing, live bait fishing, jugging, netting, trapping, or seining. No live bait or prepared bait is used. You can carry all of the equipment you need in one hand.

The whole method can be learned in twenty minutes — twenty minutes of fascinating reading. All the extra equipment you need, you can buy locally at a cost of less than a dollar. Yet with it, you can come in after an hour or two of the greatest excitement of your life, with a stringer full. Not one or two miserable 12 or 14 inch over-sized keepers — but five or six real beauties with real poundage behind them. The kind that don't need a word of explanation of the professional skill of the man who caught them. Absolutely legal, too — in every state.

This amazing method was developed by a little group of professional fishermen. Though they were public guides, they rarely divulged their method to their patrons. They used it only when fishing for their own tables. It is possible that no man on your waters has ever seen it, ever heard of it, or ever used it. And when you have given it the first trial, you will be as close-mouthed as a man who has suddenly discovered a gold mine. Because with this method you can fish within a hundred feet of the best fishermen in the county and pull in ferocious big ones while they come home empty handed. No special skill is required. The method is just as deadly in the hands of a novice as in the hands of an old timer. My method will be disclosed only to those men in each area who will give me their word of honor not to give the method to anyone else.

Send me your name. Let me tell you how you can try out this deadly method of bringing in big bass from your local waters. Let me tell you why I let you try out my unusual method for the whole fishing season without risking a penny of your money. Send your name for details of my money-back trial offer. There is no charge for this information, now or at any other time. Just your name is all I need. But I guarantee that the information I send you will make you a complete skeptic — until you decide to try my method! And then, your own catches will fill you with disbelief. Send your name, today. This will be fun.

## ERIC A. FARE, Libertyville 1, Illinois

**Eric A. Fare, Libertyville 1, Illinois**

Dear Mr. Fare: Send me complete information without any charge and without the slightest obligation. Tell me how I can learn your method of catching big bass from waters many say are "fished out", even when the old timers are reporting, "No Luck".

Name.....

Address.....

City :.....Zone.....

State.....

## THE ANGLER'S SONG
### (Tune, All in the Downs, Etc.)

All in the fragrant Prime of Day,
Ere Phoebus spreads around his Beams,
The early Angler takes his Way,
To verdant Banks of crystal Streams,
If Health, Content, and thoughtful Musing charm,
What Sport like Angling can our Cares disarm?

# DIGEST OF LATEST AVAILABLE FISH AND GAME LAWS

(with occasional excerpts and illustrations from "The Art of Angling" by R. Brooks, Dublin, Eire, 1778)

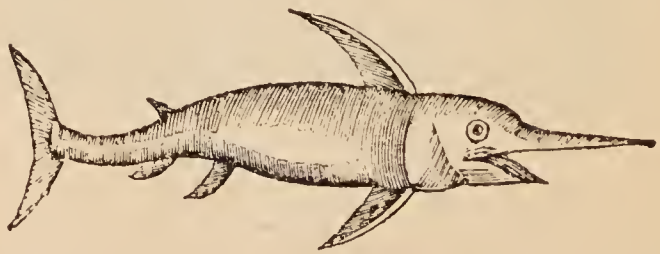
JUNE 15, 1956 (EXCEPT AS NOTED)

♂ males only. † local exceptions. ‡ non-resident exceptions. # Pounds. § 2 over 25", 2 under 25".

As many states do not complete laws for 1956-57 until after our press date, VERIFY in every case for changes even though the changes from year to year are not as a rule sensational. Limits are daily except those in Italics which are seasonal.

| State and Species | Seasons | Limits. |
|---|---|---|
| **Alabama** | | |
| Deer | Not set | *3* |
| Rabbit | Said the Jack Salmon to the wall eyed Pike not in Alabama do you find the llama. | *6* |
| Squirrel | | *6* |
| Muskrat (fur), Otter | | |
| Quail | | *10* |
| Turkey | Special | *5* |
| Bass | No closed season | 10 |
| White. bass | No closed season | 15 |
| Bream | No closed season | 30 |
| Crappie, wh. pch. | No closed season | 25 |
| Jack Salmon | No closed season | 10 |
| W.-eye pike | No closed season | 10 |
| **Alaska** | | |
| Bison | No open season | |
| Deer | {E. Aug. 20-Nov. 22 ♂ / W. Aug. 20-Nov. 15 ♂ | *2*‡ |
| Moose | {E. Sep. 15–30 ♂ / W. Sep. 1-20, Dec. 1-20 | *1* |
| Bear, br. & grz. | Sept. 1-June 30† | *2* |
| Bear, black | {E.-Sept. 1-Jun. 20 / W. No closed season | *2* / *3* |
| Caribou | Special Zones | *2* |
| Mountain goat | {E. Aug. 20-Nov. 22 / W. Aug. 15-Sep. 10 † | *1*‡ |
| Mountain sheep | Aug. 20 | *1*‡ |
| Rabbit | Sept. 1–Mar. 31† | 10 |
| Grouse & Ptar'g'n | Aug. 20–Jan. 31 | 10 |
| Trout & grayling | Aug. 20–Apr. 15 † | 10 / 15† |
| **Arizona, June '53** | | |
| Elk | Late Nov. | *1* |
| Deer | Mid Oct.-Late Nov. | *1* |
| Rabbit | No closed season† | *6* |
| Javelina | Mid Feb. | *1* |
| Antelope | Late Sep.-Early Oct. | |
| Buffalo | Nov. 10† | |
| Turkey | Early Oct. | 1 |
| Quail | Early Dec. | 10 |
| All Fish | No closed season | 10 |
| Bull Frogs | Jun. 1-Nov. 30 | |
| Bear | No closed season† | 1 |
| Big horn sheep | Mid Dec. | 1 |
| Squirrel | Early Nov. | |

| State and Species | Seasons | Limits. |
|---|---|---|
| **Arkansas** | | |
| Deer | {Nov. 11-16 ♂ / Dec. 9-14 ♂ | 1 |
| Rabbit | Not set | 8 |
| Squirrel | Oct. 1-Dec. 31 | 8 |
| Quail | Dec. 1-Jan. 31 | 8 |
| Turkey | Apr. 1-7 | 1 |
| Bass, black ex. riv. | Mar. 16-May 15 | 8 |
| Trout | Apr. 1-Nov. 30 | 6 |
| Pike, Jack salmon | No closed season | 6 |
| Bream, perch | No closed season | 20 |
| Lake Bass | No closed season | 15 |
| **California** | | |
| Deer | {CS.-Aug. 4-Sept. 16 / I.-Sept. 15-Oct. 28 | *3* / *1* |
| Bear | {C.-Aug. 6-Jan. 15 / S.-Sept. 24-Jan. 15 | 2 / 2 |
| Rabbit, Ctn. T. | S.-Nov. 17-Jan. 15† | |
| Rabbit, Jack | No closed season | 8 |
| Quail | N-Nov. 17-Jan. 15† | 8 |
| Pheasant | Nov. 17-Jan 2 | 2 |
| Partridge | Nov. 17-Dec. 15 | 4 |
| Trout (exc. gldn) (Sp. wntr seas.) | Apr. 28-Oct. 31† | 15 |
| Salmon | Apr. 28-Oct. 31† | 15 |
| Bass, black | No closed season | 5 |
| Sunfish, Perch | No closed season | 25 |
| Striped Bass | No closed season | §3 |
| Catfish, shad | No closed seasou | 15 |
| **Colorado, June '53** | | |
| Deer | {Oct. 15-31† | 1 |
| Elk ♂ | | 1 |
| Bear | | 1 |
| Antelope | Oct. 13-15-Nov. 7-9 | 1 |
| Quail | Not set | 8 |
| Pheasant | Not set | 3 |
| Rabbit | Oct. 15-Dec. 31 | 5 |
| Trout | May 23-Oct. 21 | 10 |
| White Fish | May 23-Oct. 21 | 6 |
| All other fish | (Open all year) | to 10 |



Ye Best Times to Catch Ye Fishes Is when the wind blows from ye south; next best from ye South West, and finally from ye West. On a hot summer's day, fish early in ye morning from sunrise until ten thirty, or late in the evening from two thirty until sunset. Do not fish on ye dark, cold, cloudy days except after the first day of such a spell has passed and then three in the afternoon Is ye best time.

| | | |
|---|---|---|
| **Connecticut** | | |
| Deer | | |
| Rabbit | | |
| Squirrel | | |
| Quail | Not avail. until | |
| Pheasant | July. So— | |
| Grouse | What ails the | |
| Raccoon | Conn. alewive? | |
| Trout | Got out the wrong | |
| Lake trout | side o'bed? | |
| Pickerel | Nope—she made | |
| Wall-eye | too many | |
| Bass, black | wooden nutmegs. | |
| Bass, striped | Couldn't sell 'em | |
| Perch | so ate them instead. | |
| Salmon, sockeye | | |
| Shad | | |
| Alewives | | |
| **Delaware** | | |
| Rabbit | Nov. 15-Dec. 31 | 4 |
| Squirrel | Sept. 15-Oct. 31 | 4 |
| Quail | Nov. 15-Dec. 31 | 8 |
| Raccoon } | | |
| Opossum } | Nov. 1-Jan. 31 | |
| Pheasant | Nov. 15-Dec. 31 ♂ | 2 |
| Bass | June 1-Feb. 1 | 6 |
| Pike, pkl., w. eyed pike | No closed season | 6 |
| Trout | Apr. 13-Aug. 10 | 4 |
| Shad | Mar. 1-Jun. 10 | |
| **Florida** | | |
| Deer, male | | *2* |
| Squirrel | | 10 |
| Quail | Open season on | 10 |
| Turkey | Quail—Miami— | *3* |
| Bass, black | any time | 8 |
| Bream, perch | | 25 |
| Tarpon | | |
| **Georgia** | | |
| Alligators | Jun. 1-Jan. 31 | |
| Deer | Nov. 5-20 ♂ † | *1* |
| Bear | Nov. 1-Jan. 10† | |
| Squirrel | Oct. 1-Jan. 10 | 10 |
| Quail | Nov. 20-Feb. 25 | 12 |
| Grouse | Nov. 20-Jan. 10 | 3 |
| Turkey | Nov. 20-Feb. 25† | *2* |
| Rabbit | Nov. 20-25 | 5 |
| Raccoon } | | |
| Opossum } | Nov. 1-25 | |
| Bass, striped | No closed season† | 10 |
| Bass, black | No closed season† | 10 |
| Bass, rock | No closed season† | 10 |
| Bass, Ky. or r.-eye | No closed season† | 10 |
| Bream, perch | No closed season† | 35 |
| Crappie | No closed season† | 25 |
| Pickerel | No closed season† | 15 |
| Wall-eyed pike | No closed season† | 3 |
| Muskellunge | No closed season† | 2 |
| Trout | Apr. 1-Nov. 15† | 10 |
| Shad | No closed season† | 8 |
| **Idaho** | | |
| Moose | By permit | 1 |
| Deer, elk | Local seasons | *1* |
| Mt. goats, sheep | By permit | |
| Quail | Not set | |
| Pheasant | Not set | |
| Rabbit (Ctnt) | Oct. 1-Jan. 31 | 4 |
| Hun. partridge | Not set | |
| Sage hen | This is one state in | |
| Grouse, other | the Union where | 2 |
| Pheasant | big game still | 2 |
| Rabbit | runion. | 4 |
| Trout | Jun. 4-Oct. 31 | 15 |
| Sturgeon | All year | 1 |
| Bass | All year | 10 |
| Crappie | All year | 35 |
| Sunfish | All year | 50 |
| Perch | All year | 50 |
| Salmon (steelhd.) | Var. seasons | 2 |
| Bullfrogs | Jun. 4-Oct. 31 | 12 |
| **Illinois 1957 Leg.** | may change | |
| Rabbit | Nov. 24-Jan. 20 | 5 |
| Squirrel | Aug. 1-Oct. 15† | 5 |
| Quail | (S) Sept. 1-Oct. 31 | 5 |
| Quail | (N) Nov. 17-Dec. 19 | 10 |
| Pheasant | Nov. 11-Nov. 30 †♂ | 2 |
| **Illinois (con't.)** | | |
| Grouse, Ptdge. | Closed | |
| Bass, black | No closed season | 10 |
| Trout | Apr. 1-Sept. 30 | 8 |
| Perch | No closed season | |
| Pickerel | May 1-Nov. 30 | 8 |
| Wall-eyed pike | May 1-Feb. 15 | 8 |
| Bass, S.M.-L.M. | May 15-Mar.31† | 10 |
| Lake tr., white-fish | No closed season | 0 |

| | | |
|---|---|---|
| **Indiana** | | |
| Deer | Not set | |
| Raccoon, Op. | Nov. 15-Jan. 15 | 2 |
| Rabbit | Nov. 10-Jan. 10 | 5 |
| Squirrel | Aug. 21-Oct. 20 | 5 |
| Quail | Nov. 10-Dec. 20 | 10 |
| Pheasant . | Dates not set | |
| Hun. partridge | Nov. 10-Dec. 20 | 5 |
| Bluegill, rd.-eared sunf, crappie | No closed season | 25 in ag-g, |
| Rock bass | No closed season | 6 |
| Bass, silv. or yel., bl., Ky., wh. or str. | June 16-Apr. 30 | in ag-g. |
| Pike-perch | (So. Rt. 26 to | 6 |
| Pike or pickerel | Newton Co.) | 6 |
| Yellow perch | No closed season | |
| Trout | May 1-Aug. 31 | 15 |
| Chan. catfish | No closed season | |
| **Iowa** | | |
| Rabbit | Not set but | |
| Squirrel | the way to be gay | |
| Pheasant | in Iowa is to get | |
| Quail | a present of a | |
| Hungarian partridge | beauteous pheasant | |
| Trout | Date not set | |
| Nortbern pike | Continuous | 8 |
| Bass | May 12-Feb. 15 | 3 |
| Pike, sand or saug., w.-eyed | May 12-Feb. 15 | 5 |
| Bullfrogs | May 12-Feb. 15 | 5 |
| | May 12-Nov. 30 | 12 |
| **Kansas** | | |
| Squirrel | July 1-Nov. 30 | 8 |
| Quail | Not set | |
| Pheasant | Not set | |
| Rabbit CtN.T. | Dec. 15-Oct. 15 | 10 |
| Jack | Dec. 15-Oct. 15 | |
| **Kentucky** (Approx.) | | |
| Rabbit | Nov. 20-Jan. 18 | 8 |
| Squirrel | Aug. 15-Oct. 15 | 6 |
| | Nov. 19-Dec. 16 | |
| Quail | Nov. 20-Jan. 18 | 10 |
| Ruffed Grouse | Nov. 20-Jan. 18 | 2 |
| Bass black | No closed season | 10 |
| Trout | No closed season | 5 |

| | | |
|---|---|---|
| **Kentucky (con't)** | | |
| W.-eyed pike, sand pike | No closed season | 10 |
| No. pike | No closed season | 5 |
| Striped bass | No closed season | 15 |
| Crappie | No closed season | 30 |
| Rock bass | No closed season | 15 |
| Muskellunge | No closed season | 5 |
| **Louisiana, June, 1954** | | |
| Deer | Nov. 15-Jan. 10 † | *1* |
| Bear | Closed | *1* |
| Rabbit | Oct. 15-Feb. 15 | 5 |
| Squirrel | Oct. 5-Dec. 21 | 8 |
| Quail | Dec. 1-Feb. 10 | 10 |
| Turkey | Closed | *1* |
| Bass, black, yel., white | No closed season | 15 |
| Crappie | No closed season | 25 |
| Sunfish | No closed season | 50 |
| **Maine (as of 1955-56)** | | |
| Deer | Oct. 21-Nov. 30† | *1* |
| Bear | No closed season | |
| Rabbit | Oct. 1-Mar. 31.† | 4 |
| Squirrel | Oct. 1-Nov. 15 | 4 |
| Muk-Muskrat | Nov. 1-30 | |
| Partridge | Oct. 1-Nov. 15 | 4 |
| Woodcock | Oct. 1-Nov. 9 | 4 |
| Pheasant | Oct. 1-Nov. 15 | 2 |
| Salmon, togue(a) | Ice out-Sept. 30 | 15 |
| Salmon, togue(b) | Ice out-Sept. 15 | 15 |
| Salmon, togue(c) | Ice out-Aug. 15 | 15 |
| Trout(a) | Ice out-Sept. 30 | 15 |
| Trout(b) | Ice out-Sept. 15 | 15 |
| Trout (c) | Ice out-Aug. 15 | 15 |
| Wh. perch(a) | Ice out-Sept. 30 | 15 |
| Wh. perch(b) | Ice out-Sept. 15 | 15 |
| Wh. perch(c) | Ice out-Aug. 15 | 15 |
| Black bass(a) | June 21-Sept. 30 | 15 |
| Black bass(b) | June 21-Sept. 15 | 15 |
| Black bass(c) | June 21-Aug. 15 | 15 |
| Black bass (fly) | June 1-20 | 3 |
| Pickerel | No closed season | 10* |
| a-Lakes & ponds | | |
| b-Riv. abv. tidewtr. | | |
| c-Brooks, streams | | |
| **Maryland** | | |
| Deer | Dec. 3-8 ♂† | *1* |
| Squirrel | Oct. 5-31 | *12* |
| Quail | Nov. 15-Jan. 1† | 12 |
| Grouse | Nov. 15-Jan. 1† | *4* |
| Pheasant | Nov. 15-Dec. 31† ♂ | *4* |
| Turkey | Nov. 5-30† | *1* |
| Trout | Apr. 15-Sept. 15 | 5 |
| Bass-tdl | Jan. 1-Jun. 5 | 10 |
| Str. (rck.) bass, non-tdl. wtrs. | Mar. 1-Sept. 15 | |
| Wall-eyed pike | Apr. 1-Nov. 15 | 10 |
| Pike, pickerel | June 1-Nov. 30 | 10 |
| Perch | No closed season | 15 |
| Catfish | Feb. 15-Nov. 30† | 10 |
| Herring | Mar. 15-Jun. 20 | 15 |
| Shad | Mar. 15-Jun. 20 | 10 |
| **Massachusetts** | | |
| Bear, Black | | *2* |
| Deer | | *2* |
| Hare | | 2 |
| Opossum | | |
| Rabbit, (Ctnt) | | 5 |
| Raccoon | | *20* |
| Squirrel | Dates are not set | *75* |
| Quail | so you can't | 3 |
| Grouse | have them—that | 2 |
| Pheasant | is, not yet. | |
| Bass | Sorry, but we | 5 |
| Pike | tried our best. | 5 |
| Muskellungo | | 5 |
| Pickerel | | 10 |
| White perch | | 15 |
| Salmon | | 2 |
| Trout | | 6 |
| Lake Trout | | 2 |

| | | |
|---|---|---|
| **Mass. (con't.)** Bluegls., cal. bass, crapple, hrnd. pout, | | |
| **Michigan 1956** | Not set until Aug. so . . . I wisb I was in Michigan | |
| Bear | For a lake trout | |
| Rabbit | I would catch, | |
| Deer | Then back I'd | |
| Grouse, prairie chicken | come again | |
| Pheasant | And to a | |
| Squirrel | muskellunge, I'd latch | |
| Trout | Apr. 28-Sept. 9 | 5† |
| Lake Trout | No closed season | 2 |
| Black Bass | Jun. 16-Dec. 31 | 5† |
| No. pike, pk. pch. | Apr. 28-Mar. 15 | 5 |
| Muskellunge | Mar. 15-Sept. 11 | No lim |
| Crappie | No closed season | 25 |
| White bass | No closed season | 10 |
| Crappie, rk. bass, yel. pch. bluegills, sunfish | No closed season | 25† |
| Whitefish | No closed season | 7 |
| Sturgeon | | 2 |
| **Minnesota** | | |
| Deer (Bow and Arrow) | Not set | *1* |
| Deer | | *1* |
| Bear | | |
| Squirrel | Out in Minnesota | 7 |
| Quail | you won't find | 10 |
| Pheasant | The Spanish Jota | 3 |
| Rabbit | | 15 |
| Raccoon | | |
| W.-eyed pike, saugers, gt. no. pike, pickerel | May 12-Feb. 15† | 6<br>3 |
| Muskellunge | May 16-Feb. 15† | 1 |
| Bass | June 23-Nov. 30† | 6 |
| Trout | Apr. 28-Sept. 5† | 10 |
| Lake Trout | May 2-Sept. 25<br>Jan. 1-Feb. 15 | 5<br>15 |
| Crappies, bass w. or sunfish | Continuous | 30<br>15 |
| Catfish | May 16-Feb. 15† | 10 |
| Bullheads | Continuous | 50 |
| Whitefish | Continuous | |
| Buffalo | May 16-Feb. 15† | |
| **Mississippi** | | |
| Deer | Nov. 21-27†<br>Dec. 26-Jau. 1 | *1* |
| Bear | No open season | |
| Rabbit | Oct. 6-Feb. 10 | 5 |
| Squirrel | Oct. 6-Dec. 31 | 5 |
| Quail | Dec. 10-Feb. 10 | 8 |
| Turkey | Apr. 1-10† | *1* |

Keep out of fishes sight and as far away from the river bank as possible. If water is muddy come as close as you please. Wear clothes of a grave, dark color, not bright or glaring. After floods or rains fish near the bottom. When streams begin to clear, or after a shower which has not muddied them, or during a shower, use a fly.

| Miss. (con't.) | | |
|---|---|---|
| Bass | No closed season | 15 |
| Crappie | No closed season | 20 |
| Bream | No closed season | 20 |
| Sunfish | No closed season | 50 |

| Missouri | | |
|---|---|---|
| Deer | Not set (res. only) | 1 |
| Rabbit | May 30-Oct. 31 | 10 |
| | Nov. 10-Feb. 28 | |
| Squirrel | July 1-Oct. 30 | 6 |
| Quail | Not set | |
| Walleye | May 30-Nov. 30 | 4 |
| Bass, L.S. Sp. | May 30-Nov. 30 | 6 |
| Trout | Mar. 1-Oct. 31 | 6 |
| Bass, Wh. | Mar. 15-Nov. 30 | 9 |
| Goggle Eye | Mar. 15-Nov. 30 | 9 |
| Warmouth | Mar. 15-Nov. 30 | 9 |
| Crappie | Mar. 15-Nov. 30 | No lim |
| Catfish, Ch. | Mar. 15-Nov. 30 | 6 |

| Montana | | |
|---|---|---|
| Antelope | Sept. 5-Nov. 16† | 1 |
| Deer | By permit | *1* |
| Bear | Oct. 15-Nov. 15† ♂ | *1* |
| Elk | Apr. 20-May 31 | *1*† |
| Moose | Oct. 15-Nov. 15† | 1 |
| Goat | Oct. 15-Nov. 15† | 1 |
| Grouse | By permit | 1 |
| Quail, turkey | Local seasons | *1*† |
| Sage hen | | |
| Hun. partridge | Dates not set | |
| Pheasant | | |
| All game fish | Dates not set | |
| | May 27-Nov. 30 | 15 |

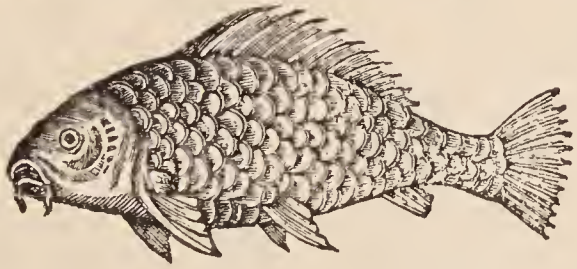
| Nebraska | | |
|---|---|---|
| Sept. 30, 1953 | Not set until | 1 |
| Antelope | August | 1 |
| Deer—Rifle | | |
| Deer—Bow&Arr. | Fish most anytime, | |
| Quail | anywhere | |
| Rabbit | in Nebraska | |
| Squirrel | But on game, | |
| Pheasant | the warden | |
| Grouse | you must | |
| Raccoon-Op'm | aska. | |
| By Dogs | | |
| Trout | No closed season | 7 |
| Bass, black | No closed season† | 10 |
| Crappie, sunf., rock bass | No closed season† | 15 |
| Bullheads | No closed season† | 15 |
| Catfish | No closed season† | 10 |
| Perch | No closed season† | 25 |
| Pike, w.-eye, saug. no'thn. | No closed season† | 5 |
| Muskrat, Mink | 1. Dec. 15-Mar. 15<br>2. Nov. 15-Jan. 15 | |

| Nevada | | |
|---|---|---|
| Antelope | Aug. 14† ♂ | 1 |
| Deer | Oct. 9† | *1* |
| Rabbit | | |
| Quail | Nov. 6† | 6 |
| Pheasant | Nov. 6 ♂† | 3 |
| All game fish | Local seasons† | 15 |
| Grouse | Oct. 2† | 3 |
| Cottontail | Oct. 30† | 5 |
| Partridge | Oct. 23† | 5 |

| New Hampshire | 1955-1956 | |
|---|---|---|
| Deer, Rifle | North—Nov.1-30 | *1* |
| | South—Dec.1-21 | |
| Deer, Bow & Arr. | North-Oct. 22-31 | |
| | South-Nov. 21-30 | |
| Bear | No closed season | |
| Rabbit, hare | Oct. 1-Mar. 1 | 3 |
| Squirrel | Oct. 1-Nov. 1 | 5 |
| Quail | No open season | |
| Grouse, wdck. snp. | Oct. 1-Dec. 1 | 4 |
| Pheasant | Oct. 1-Nov. 1 ♂† | 2 |
| Trout, brook | May 1 Labor Day | 10 |
| Lake Trout | Jan. 1-Labor Day | 2 |
| Lake Trout (fly) | Sept. 3-30 | 2 |
| Salmon | Apr. 1-Labor Day | 2 |
| Trout, golden | Apr. 1-Labor Day | 5 |
| Bass | July 1-Oct. 31† | 5 |
| Pike-perch | May 1-Oct. 31† | 10# |
| Pickerel | May 1-Mar. 31 | 10# |
| Mink, otter muskrat | Nov. 1-Feb. 1 | |

| New Jersey | | |
|---|---|---|
| Deer | Not available | 1 |
| Archery | | |
| Rabbit, squirrel | Jersey's a place | 4 |
| Quail | where, | 7 |
| Grouse | Ice fishing is | 3 |
| Pheasant | rare. | 2 |
| Trout | Apr. 7-Nov. 30 | 8 |
| Salmon | Apr. 7-Nov. 30 | 2 |
| Pike, pick'l, pike-perch | May 19-Nov. 30 | 10 |
| | Jan. 1-31 | |
| Bass, bl. Oswego | June 16-Nov. 30 | 5 |
| Calico, rock bass crappie, | No closed season | |
| Bass, striped | Mar. 1-Dec. 31 | 10 |
| Wh., yel. pch., catf., sunf. | No closed season | |

| New Mexico | | |
|---|---|---|
| Deer | Nov. 10-18 | |
| Elk | Oct. 1-7 ♂ | |
| Bear | Sept. 1-Nov. 30 | |
| Antelope | Sept. 15-Oct. 14 | |
| Turkey | Nov. 10-Nov. 18† | |
| Trout | May 1-Nov. 30 | 12 |
| Bass, pike pch. | | 12 |
| Chan. catf. | | 12 |
| Crappie | Apr. 1-Mar. 31 | 30 |
| Sunf., ring pch. and bream | | |



If at any time you happen to be overheated with walking or other exercise, avoid small liquors, especially water as you would poison; and rather take a glass of brandy, the instantaneous effects whereof, in cooling the body and quenching drought are amazing.

Remember that the wit and invention of mankind were bestowed for other purposes than to deceive silly fishes; and that however delightful angling may be, it ceases to be innocent when used otherwise than a mere recreation.

Of worms for bait, those found in old dughills or under decayed barks are good, as are those found under sticks, straws or stones in brooks. The white grub found after ploughing serves well as winter bait. The garden worm or night crawler found with the help of a lantern on church lawns, or blue marsh worms, and worms found on trees such as caterpillars and palmer worms are good baits. Use two worms to a hook, each one straggling in the water to imitate another good bait—the minnow.

| | | |
|---|---|---|
| **New York** | | |
| Deer-1956-No. | Oct. 25-Nov. 30 | |
| Small game | Nov. 19-Dec. 4 | |
| So. (ex. Sun.) Cat. & w. | Nov. 19-Dec. 1 | |
| | Not set | |
| Black bass | July 1-Nov. 30† | 6 |
| Muskellunge | July 1-Dec. 1† | † |
| Salmon, ldlckd. | Apr. 1-Sept. 10 | 2 |
| Pike-perch | May 1-Mar. 1† | 10† |
| Pickerel | May 1-Mar. 1† | 10† |
| Gt. no'n. pike | May 1-Mar. 1† | 10† |
| Trout, brk., br., r'bow | Apr. 13-Sept. 8 | 10† |
| Lake trout | Apr. 1-Sept. 10 | 3† |
| Whitefish | Apr. 1-Sept. 10† | † |
| **Long Island** | | |
| Squirrel | | |
| Grouse | Not set | |
| Pheasant | Open season on | |
| Quail | Suckers year | |
| Deer | 'round | |
| **North Carolina** (as of 1956) | | |
| Deer | Oct. 15-Jan. 1† | 1 |
| Bear | Oct. 15-Jan. 1 | 2 |
| Rabbit | Nov. 22-Jan. 31 | 5 |
| Pheasant | Nov. 22-Jan. 31 | |
| Squirrel | Oct. 15-Jan. 1 | 8 |
| Quail | Nov. 22-Jan. 31 | 8 |
| Grouse | | 2 |
| Turkey-gobblers | | 1 |
| Wild boar | Oct. 15-Jan. 1 | 1 |
| Raccoon | Oct. 15-Feb. 15 | |
| Trout | Apr. 5-Aug. 31 | 10 |
| Bass, black | No closed season | 8 |
| Pike, walleyed | No closed season | 5 |
| Bass, striped | No closed season | 15 |
| **North Dakota** | Not set | |
| Deer | | |
| Sharptail | | |
| Pin'd grouse | | |
| Sage & ruffed grouse; part'ge | | |
| Pheasant | | |
| Trout | May 12-Oct. 31 | 5 |
| Bass, black | Jan. 1-Mar. 11, Jun 16-Dec. 31 | |
| Wall-eyed pike, northern pike | Jan. 1-Mar. 11, May 12-Dec. 31 | 5 3 |
| Sunfish | Cont. | |
| Perch | Cont. | |
| Crappie | Cont. | |
| **Ohio** | Not set | |
| Deer | Ohio's partridges | |
| Rabbit | are all Hungarian | |
| Squirrel | But few if any are | |
| Pheasant | vegetarian or even | |
| Hun. partridge | octogenarian. | |
| Grouse | | |
| Fish | No closed season† | |
| **Oklahoma** | | |
| Deer | Not set | 1 |
| Squirrel | May 15-Jan. 1 | 6 |
| Quail | Inter. (Nov.-Jan.) | 10 |

| | | |
|---|---|---|
| **Oklahoma cont.** | | |
| Pheasant | Not set | |
| Bass | No closed season† | 10 |
| Chan. catfish | No closed season† | 15 |
| Crappie | No closed season† | 37 |
| Trout | No closed season | 10 |
| **Oregon** | | |
| Deer | Until July you | |
| Elk | must wait, | |
| Antelope | Then ask for the | |
| Squirrel | date. | |
| Quail | | |
| Sage Hen | Closed season | |
| Grouse | Closed season | |
| Pheasant | Not set | 2 |
| Hun. partridge | Not set | *10* |
| Trout, | Apr. 29-31 | |
| Salmon, Steelh'd not less than 20″ | No closed season | 2 |
| Bass, black; Perch, crappie, catf., sunf., bream, pike | No closed season | |
| Str. bass, | No closed season | 5 |
| Shad | No closed season | |
| **Pennsylvania** | Not even 1956 set so | |
| Deer, female | | |
| Deer, 2 pt. ant. | | |
| Deer, no ant. | | |
| Bear | Hurray, hurrah | |
| Rabbit, Cttl. | for the red and the | |
| Raccoon | blue, | |
| Squirrel | We're off, all set to | |
| Quail, Bbwht. | snare a hare, | |
| Grouse, Rfd. | sn'shoe. | |
| Pheas'nt,rgnk,m. | | |
| Turkey | | |
| Partridge, Hun. | | |
| Hare, snshoe | No closed season | 6 |
| Trout | Apr. 15-Jul. 31 | 8 |
| Trout, lk. or sal. | Apr. 15-Nov. 30 | 8 |
| Bass | Jul. 1-Nov. 30 | 6 |
| Pike-perch | Jul. 1-Nov. 30 | 6 |
| Pickerel | Jul. 1-Nov. 30 | 6 |
| Muskellunge, | Jul. 1-Nov. 30 | 2 |
| Pike, Gt. No. | Jul. 1-Nov. 30 | 4 |
| Frogs | Jul. 2-Oct. 31 | 15 |
| Terrapin | Nov. 2-Mar. 14 | 5 |
| **Rhode Island** | | |
| Rabbit | Nov. 1-Dec. 31† | 5 |
| Hare | Nov. 1-Dec. 31 | 2 |
| Squirrel | Nov. 1-Dec. 31 | 5 |
| Quail | Nov. 1-Dec. 31† | 6 |
| Grouse | Nov. 1-Dec. 31† | 2 |
| Pheasant | Nov. 1-Dec. 31 ♂ | 3 |
| Bass | June 20-Feb. 20† | 6 |
| Pickerel | June 20-Feb. 20† | 10 |
| Trout | Apr. 20-Oct. 19 | 10 |
| Striped bass | No closed season | |
| Perch, white | Apr. 20-Feb. 20 | 20 |
| Perch, yellow | Apr. 20-Feb. 20 | 30 |
| All fresh wat er fishing closed Feb. 21- | Apr. 20 incl. | |

| | | |
|---|---|---|
| **South Carolina** | | |
| Deer | Aug. 15-Jan. 1† | 1 |
| Rabbit | Sept. 1-Mar. 1† | |
| Squirrel | Sept. 1-Mar. 1† | 10 |
| Quail | Nov. 28-Mar. 1† | 15 |
| Raccoon, opossum | Sept. 1-Mar. 1† | |
| Turkey | Nov. 23-Mar. 1† | 5 |
| Trout, speckled | Jan. 1-Oct. 1 | 20 |
| Trout, rainbow | Jan. 1-Oct. 1 | 20 |
| Bass | No closed season† | 8† |
| **South Dakota** | | |
| Deer | Not set | |
| Grouse, prairie chicken | Not set | |
| Pheasant | Not set | |
| Trout | Continuous | |
| Bass, w.-eyed pike, pickerel | Mar. 1-Feb. 28 | 10 |
| Bluegills | Cont. exc. N.E. | 6 |
| Bullheads, pch. | May 1-Feb. 28 | 15 |
| Crappies, sunf. | | 50 |
| | | 15 |
| **Tennessee** | | |
| Deer | Nov. 1-10 ♂† | 1† |
| Bear | Oct. 1-30† | 1 |
| Rabbit | Nov. 22-Jan. 25 | 5 |
| Squirrel | Sept. 1-Jan. 1 | 6 |
| Quail | Nov. 22-Jan. 25 | 8 |
| Grouse | Nov. 22-Jan. 25 | 3 |
| Wild boar | Oct. 1-30 | 1† |
| Turkey | Apr 10-13, May 8-11 | 1 |
| Trout | Mar. 15-Sept. 30 | 7 |
| Bass | No closed season | 10 |
| Raccoon | Nov. 15-Jan. 25 | |
| Opossum | Nov. 15-Jan. 25 | |
| Red fox | Nov. 15-Jan. 25 | |
| Rock bass | No closed season | 10 |
| White, str. bass | No closed season | 30 |
| Yellow bass or jacks | No closed season | 30 |
| Warmouth bass | No closed season | 30 |
| Walleye | No closed season | 5 |
| Sauger | No closed season | 10 |
| Muskellunge | No closed season | 5 |
| Bluegill bream | No closed season | 30 |
| Catfish | No closed season | |
| Buffalo | No closed season | |
| **Texas** | | |
| Antelope | Closed | |
| Deer | Nov. 16-Dec. 31† ♂ | 2 |
| Bear | Nov. 16-Dec. 31 | 1 |
| Peccary | Nov. 16-Dec. 31† | 2 |
| Squirrel | May-Jul., Oct.-Dec. | 10 |
| Chachalaca | Dec. 1-Jan. 16 | 5 |
| Quail | Dec. 1-Jan. 16† | 12 |
| Turkey | Nov. 16-Dec. 31† ♂ | 3 |
| Bass, bl., sp'ted | No closed season | 15 |
| White bass | No closed season | 25 |
| Trout | No closed season | 5 |
| Crappie | No closed season | 25 |
| Catfish | No closed season | 25 |
| **Utah** | | |
| Antelope | By permit | |
| Deer | Oct. 20 | 1 |
| Bobcat, coyote, fox, lions | No closed season | |
| Elk (By permit) | | |
| Bison | By permit | |
| Grouse, sage hen, prairie chicken | By permit | |
| Pheasant | Nov. 10 | 3† |
| Quail | Nov. 10 | 10 |

| | | |
|---|---|---|
| **Utah (con;t)** | | |
| Bass | June 9-Oct. 14 | 10 |
| Trout | June 9-Oct. 14 | 10 |
| Salmon | June 9-Oct. 14 | 10 |
| Whitefish | June 9-Oct. 14 | 20 |
| Catfish | June 9-Oct. 14 | 20 |
| Grayling | June 9-Oct. 14 | 10 |
| **Vermont — 1957** | Legis. may change. | |
| Deer | Nov. 10-27 ♂† | 1 |
| Squirrel | Oct. 1-Oct. 31 | 4 |
| Rabbit | Oct. 1-Feb. 28† | 3 |
| Quail | No open season | |
| Grouse | Oct. 1-Oct. 31 | 4 |
| Pheasant | No open season | |
| Bear | June 1-Dec. 31† | |
| Trout | May 1-Aug. 14† | 12 |
| Lake trout, salmon | May 1-Aug. 31† | 2 |
| Bass | July 1-Nov. 30† | 5 |
| Muskellunge | June 15-Apr. 14 | 25# |
| Pike-perch | May 1-Mar. 14† | 25# |
| Pickerel | May 1-Mar. 14† | 25# |
| Smelt | June 1-Mar. 31† | |
| **Virginia** | | |
| Raccoon, Op. | Oct. 15-Jan. 31† | 3 |
| Mink | Dec. 15-Jan. 31† | |
| Deer | Nov. 18-Jan. 23 † ♂ | 1 |
| Bear | Nov. 8-Jan. 5† | 1 |
| Fox | Oct. 1-Jan. 20† | |
| Rabbit | Nov. 18-Jan. 20† | 6 |
| Squirrel | Nov. 18-Jan. 20† | 6 |
| Quail | Nov. 18-Jan. 20† | 8 |
| Grouse | Nov. 18-Jan. 20† | 3 |
| Pheasant | Nov. 18-Jan. 20† | 4 |
| Turkey | Nov. 18-Jan. 20† | 1 |
| Bass | W. June 20-Dec. 31. | 1 |
| | Open season | 8 |
| Trout | May 1-Sept. 15 | 8 |
| Pike | W. Same as bass | 20 |
| | No closed season | |

## MIGRATORY BIRD LAWS

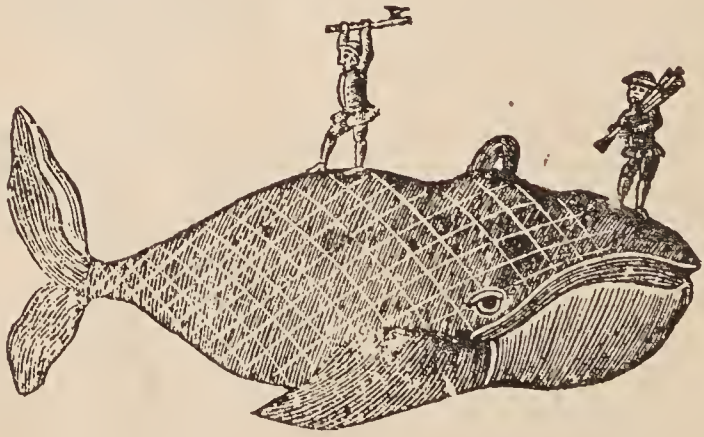
DO NOT HUNT ducks, geese, brant, coot, rails, gallinules, woodcock, or mourning dove until you have studied the laws on these birds issued in September, 1957, by the Fish and Wildlife Service, U. S. Dept. of Interior, Washington, 25, D. C. Write your nearest Regional Directors of the Fish and Wildlife Service with headquarters as follows: *Region 1* (Western), Swan Island, Portland 18, Ore.; *Region 2* (Southwestern), 220 West Copper Avenue (P. O. Box 1306), Albuquerque, N. Mex.; *Region 3* (North Central), Buzza Building, 1006 West Lake St., Minneapolis 8, Minn.; *Region 4* (Southeastern), Peachtree-Seventh Building, Atlanta 5, Ga.; *Region 5* (Northeastern), 1105 Blake Building, Boston 11, Mass.; *Region 6*, Juneau, Alaska.

Most post offices carry posters which give these regulations when released.

| | | | | | |
|---|---|---|---|---|---|
| **Washington** | 1956 | | **Wisconsin** | | |
| Deer | Oct. 14-Nov. 18 | 1 | Deer | | |
| Bear | Sept. 1†-Nov. 3 | 2 | Raccoon | | |
| Elk | Nov. 10-19 | 1 | Rabbit | | |
| Mt. Goat | Sept. 16-Oct. 30† | 1 | Squirrel | Not available until | |
| Rabbit | W. Oct. 14-Mar. 31<br>E. Oct. 14-Feb. 28 | 5 | Grouse | 60 days beforehand | |
| Grouse, shpt. | Oct. 14-Nov. 18 | 2 | Pheasant | Write W.C.D., | |
| Grouse, blue, r.F. | Sept. 22, 23, 29, 30<br>Oct. 6, 7, 14-Nov. 3, 25-Dec. 9† | 5 | Hun. partridge<br>Quail<br>Bass, black | Madison<br>But beware of the sauger<br>Its eyes are bad augur | |
| Quail | Oct. 14-Nov. 18 | 10 | Trout | When you see its snout | |
| Pheasant | Oct. 14-Nov. 18 | 3 | Lake trout | You won't find any trout. | |
| Hungarian partridge | Oct. 14-Nov. 18 | 5 | Wall eyed pike, sauger | | |
| Sage hen | Oct. 14-21† | 1 | No. pike, pick'l | | |
| Whitefish | Dec. 6-Feb. 28† | 15 | Muskellunge | | |
| Trout | County seasons | 15 | Bass, other | | |
| | | | Catfish | | |
| **West Virginia** | | | Sturgeon | | |
| Deer, Rifle | Dec. 3-8 | 1 | Other panfish | | |
| Deer, Bow & Arr. | Oct. 12-Dec. 8 | 1 | | | |
| Rabbit | Nov. 12-Jan. 5 | 4 | **Wyoming** | | |
| Pheasant | Nov. 12-17 | 2 | Deer | Sept. 5-Oct. 31† | 2 |
| Raccoon | Nov. 1-Jan. 5 | 2 | Moose | Sept. 10-Oct. 31† | 1 |
| Bear | Nov. 1-24 | 1 | Elk | Sept. 10-Oct. 31† | 1 |
| Squirrel | Oct. 12-Jan. 5 | 4 | Bear | Loc l [illegible]ons | 3 |
| Quail | Nov. 12-Jan. 5 | 7 | Sheep | Sept. 10-Oct. 31† | 1 |
| Grouse | Oct. 12-Jan. 5 | 4 | Antelope | Sept. 2-30† | 1 |
| Turkey | Oct. 12-Nov. 5 | 1 | Pheasant | Not set | |
| Trout, rnbw., brown bk. | Apr. 28-June 9 | 8 | Brook trout | May 1-Oct. 31 | 20 |
| Bass | June 9-Mar. 9 | 8 | Other trout | May 1-Oct 31† | 12 |
| Pickerel | No closed season | | Grayling | May 1-Oct 31† | 12 |
| Frogs, Bull & Green | June 9-23 | 10 | Bass | May 1-Oct. 31† | 12 |
| | | | Whitefish | May 1-Oct. 31† | 25 |

## YE FINEST RECIPE FOR COOKING YE FISHES

Take fish while alive and scour and run him clean with water and salt, but do not scale him. Open him and put him with his blood and liver into a small kettle to which add Sweet Marjoram, Thyme, and Parsley, each half a handful, a sprig of Rosemary, another of Savoury, bind them in 2 or 3 small bundles and put them into the fish with four or five whole onions, 20 pickled oysters, and 3 anchovies. Pour on your fish as much Claret Wine as will cover him and season the wine well with salt, cloves, mace, orange and lemon rind. Cover pot and put on a quick fire till it be sufficiently boiled. Then take out the fish and lay it with the broth into the dish and pour upon him a quarter of a pound of fresh melted butter and beaten with 6 spoonfuls of the broth, the yolks of 2 or 3 eggs and some of the herbs shred. Garnish dish with lemons and serve it up.



CAPTURING YE WHALE

*The Best Gun Going...*

**...ITHACA** Featherlight **REPEATER!**

1. FEATHERLIGHT!
2. PROOFTESTED FOR SAFETY!!
3. SAFE BOTTOM EJECTION!!!

Only 5¾ Lbs. in 20 Gauge
Only 6 Lbs. in 16 Gauge
Only 6½ Lbs. in 12 Gauge

Send 10c for big booklet on shooting tips and FEATHERLIGHT information

SINCE 1880
**ITHACA GUN CO., INC.**
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**DIABETICS**

DOCTOR REEVES'
Safe-Soothing
**FOOT CREAM**

Guards Against Infection
Prevents Dryness, Scales, Cracking

3-month supply **$2.00** post paid

Don't chance infection with harsh preparations. Specially compounded. Safe, yet soothing. Keeps skin soft. Eases calluses corns. Stainless. Free Diabetic identity card. Order today. Postpaid except COD's.

DR REEVES' PRODUCTS, INC
809 Wyandotte Dept. ON 7F, Kansas City 5, Mo.

**WE PAY $16**
***for only 59 Lincoln Pennies***

Send $1 for a Lincoln cent album (to hold your pennies). Fill the spaces with dates shown in album, return COMPLETE album and receive $16 by return air mail PLUS $1 back for album (total $17). Save other sets worth hundreds of dollars! All information sent with 1st album. Send $1 to: BYBYMAIL, BOX 67, Dept. C-7 Oakland Gardens Stat., Flushing, N. Y.

Advertisers are reminded the 1958 OFA closes July 15, 1957. Reservations now are not too early.

**GRAVY MASTER**
NEW ENGLAND STANDBY

## Amazing 100 Year Old Gypsy Bait Oil

# MAKES FISH BITE EVERY DAY OR NO COST!

PICTURES PROVE IT REALLY WORKS! Look at 1295 lbs. fish landed by Roy Martin party, Destin, Fla.! Gypsy Fish Bait Oil used on every bait! Hundreds of pictures on file!

## Mystery Scent Makes Fish Go Crazy

Fishing scientists are just learning what wandering Gypsies knew 100 years ago . . . hungry or not any fish strikes any bait scented with Gypsy Fish Bait Oil! Gypsies invented this amazing scented oil formula that excites all kinds of fish thru thousands of smell organs that cover their bodies. When one streaks madly for your bait they all fight over it and usually the largest fish wins. It makes no difference what bait you use . . . plug, minnow, worm, fly or even a piece of cloth . . . we don't care if you fish lakes, rivers, creeks, ponds or ocean . . . still fish with pole and bobber, cast, troll or spin . . . no matter what kind of fish you're after . . . all you have to do is dab a little ready to use Gypsy Fish Bait Oil on the bait and you'll catch more and larger fish than anyone else in your party. It WORKS ANY DAY, ANY TIME OF DAY. The fish don't live that won't strike bait dabbed with Gypsy Fish Bait Oil. In season, that is. So say we're crazy. Be skeptical as you like. But let us send you scented Gypsy Fish Bait Oil to try . . . at our risk.

## SEND NO MONEY...Fish ON-APPROVAL

Write asking for one double size bottle Gypsy Fish Bait Oil for $1.98 or 3 for $4.98. On arrival deposit your money plus C.O.D. postage thru postman. Cash orders sent postage paid. Dab Gypsy on bait the next time you fish and if you don't catch so many fish (large ones too) you're absolutely amazed, simply return what's left for money back. FREE! Handy water-resistant fisherman's pouch for matches, lunch, tobacco, etc., included free to keep even if you return oil. Accept this friendly challenge! Write today to

**Fisherman's Products Co., Dept. 576**
**2832 Niazuma Ave., Birmingham 5, Ala.**

## GIFT SUGGESTION!

**For that new born baby of Uncle Jim or Aunt Sue—or even for Gramp—or Ma—a Life subscription to this Almanac would be much appreciated. Send Five Dollars. Yankee, Inc., Dublin, N. H.**


### *ANDREW M'CANN, THE ABSENT MAN*

In the town of Ayr lived Andrew M'Cann,
A very worthy, but absent man:—
Andrew once called at a house in town,
And sent up his name—"Mr. Peter Brown;"
Held an egg in his hand while his watch was boiling,
And oft was seen toiling
His weary way to the bridge of Ayr.
With one foot booted and one foot bare.
A very old man was Andrew M'Cann;
And always before he went to rest,
As soon as undress'd,
He roll'd his small clothes up like a ball,
Then taking his coat, with the greatest care,
He hung it over the back of a chair;
Then laid his head
On the pillow in bed.
One night he came home more absent than ever,
And, as you may suppose, "uncommonly clever;"
So taking his garments (what a conceit!)
He ruck'd them up under blanket and sheet,
Then threw himself over the chair, like a sack,
**And broke his back.**

*Waldie*, 1837

### *IMPOSSIBLE TODAY?*

Bradford, in his history of Massachusetts, relates that in 1763, on the anniversary of the society for promoting industry, 300 females of Boston assembled on the common with their spinning wheels! They were attired in cloth of their own manufacture.

### *LOVE BY NUMBERS*

2 lovers sat beneath the shade,
And 1 un2 the other said;
"How 14 8 that you be9
Have you smiled upon this suit of mine:
If 5 a heart it palps for you—
Thy voice is mu6 melody—
'Tis 7 to be thy loved 1, 2—
Say, 0y nymph, will marry me!"
Then lisped she soft: Why, 13ly!"


GRANDPA never missed a trick. Had lots of ideas we could use today. . . For one thing he *always* had a bit of ROCK CANDY about the house. All hands used it for coughs from colds. . . Sometimes when we were very good he'd reward us with an extra piece. . . Also kept some for himself. . . Mixed it up with some stuff from a bottle. . . Said it was his medicine. ROCK CANDY is sugar in its purest form. You can get it from your Drug, Grocery or Candy Store. *Refined by* DRYDEN & PALMER, L. I. City, N. Y., ever since 1880.

# GESTATION AND REPRODUCTION TABLE

| | Proper age for first mating | Period of power of reproduction in years | No. of females for one male | Period of gestation and incubation | | |
|---|---|---|---|---|---|---|
| | | | | Shortest days | Mean days | Longest days |
| Mare | 3 yrs. | 10 to 12 | | 325 | 336 | 352 |
| Stallion | 4 " | 12 to 15 | 20 to 30 | | | |
| Cow | 18-24 mos. | 10 to 14 | | 235 | 282 | 300 |
| Bull | 12-18 " | 10 to 12 | 30 to 40 | | | |
| Ewe | 18 " | 6 | | 145 | 147 | 152 |
| Ram | 12-14 " | 7 | 35 to 45 | | | |
| Sow | 9 " | 6 | | 110 | 114 | 120 |
| Boar | 9 " | 6 | 8 to 12 | | | |
| She Goat | 18 " | 6 | | 147 | 151 | 155 |
| He Goat | 18 " | 5 | 20 to 30 | | | |
| Ass | 3 yrs. | 10 to 12 | | 356 | 367 | 378 |
| Jack | 4 " | 12 to 15 | 20 to 30 | | | |
| She Buffalo | 18-24 mos. | 8 | | 309 | 315 | 325 |
| Bitch | 16-18 " | 8 | | 58 | 63 | 67 |
| Dog | 12-16 " | 8 | | | | |
| She Cat | 12 mos. | 6 | | 58 | 60 | 64 |
| He Cat | 12 " | 10 | 6 to 8 | | | |
| Doe Rabbit | 6 " | 5 to 6 | | 25 | 30 | 35 |
| Buck Rabbit | 6 " | 5 to 6 | 30 | | | |
| Cock | 6 " | 5 to 6 | 12 to 18 | | | |
| Hen | | 5 to 6 | | 19 | 21 | 24 |
| Turkey | | | | 24 | 26 | 30 |
| Duck | | | | 28 | 30 | 32 |
| Goose | | | | 27 | 30 | 33 |
| Pigeon | | | | 16 | 18 | 20 |
| Pea Hen | | | | 25 | 28 | 30 |
| Guinea Hen | | | | 20 | 23 | 25 |
| Swan | | | | 40 | 42 | 45 |
| Hen or Duck's Eggs | | | | 22 | 30 | 34 |
| Robin's Eggs | | | | 13 | 16 | 19 |

# REPRODUCTIVE CYCLE IN FARM ANIMALS

*Courtesy F. N. Andrews — Purdue University*

| | Reoccurs if not Bred (Days) | Estrual Cycle incl. Heat Period (Days) | | In Heat for | | Usual Time of Ovulation |
|---|---|---|---|---|---|---|
| | | Ave. | Range | Ave. | Range | |
| Mare | 16 | 21 | 10–37 | 5–6 days | 1–37 days | 24–48 hours before end of estrus |
| Sow | 19 | 21 | 18–24 | 2–3 days | 1–5 days | Usually second day of estrus |
| Ewe | 15 | 16 | 14–20 | 30 hours | 20–42 hours | 1 hour before end of estrus |
| Goat | 19 | 20 | 12–25 | 36–48 hours | 20–80 hours | Near end of estrus |
| Cow | 20 | 19–20 | 16–24 | 16–20 hours | 8–30 hours | 14 hours after end of estrus |
| Bitch | 180 | 24 | | 21–28 days | | |
| Cat | 120 | | | 3–12 days | | |

# Tables of Measures

### Apothecaries

1 scruple=20 grains
1 dram=3 scruples
1 ounce=8 drams
1 pound=12 ounces

### Avoirdupois

1 pound=16 ounces
1 hundredweight=100 pounds
1 ton=20 hundredweight=2000 pounds
1 long ton=2240 pounds

### Cubic Measure

1 cubic foot=1728 cubic inches
1 cubic yard=27 cu. feet
1 register ton (shipping measure)=100 cubic feet
1 U. S. shipping ton=40 cu. ft.
1 cord=128 cubic feet
1 U. S. liquid gallon=4 quarts=231 cubic inches
1 imperial gal.=1.20 U. S. gals.=0.16 cubic feet
1 board foot=144 cubic inches

### Dry Measure

2 pints .....=1 quart (qt.)
4 quarts .....=1 gallon (gal.)
2 gallons or 8 quarts .....=1 peck
4 pecks .....=1 struck bushel

### Household Measures

120 drops water=1 teaspoon
60 drops thick fluid=1 teaspoon
2 teaspoons=1 dessertspoon
3 teaspoons=1 tablespoon
16 tablespoons=1 cup
1 cup=½ pt.
1 cup water=½ lb.
4 tablespoons flour=1 oz.
2 tablespoons butter=1 oz.
3 teaspoons soda=½ oz.
4 teaspoons baking powder=½ oz.
2 cups granulated sugar=1 lb.
2½ cups confectioners' sugar=1 lb.
2½ cups wheat flour=1 lb.
3½ cups whole wheat flour=1 lb.
2½ cups buckwheat flour=1 lb.
5⅓ cups coffee=1 lb.
6½ cups tea=1 lb.
2 cups lard=1 lb.
2 cups butter=1 lb.
2 cups corn meal=1 lb.
2 cups powdered sugar=1 lb.
2 cups brown sugar=1 lb.
2 cups raisins=1 lb.
2 cups currants=1 lb.
9 eggs=1 lb.

### Linear Measure

1 foot=12 inches
1 yard=3 feet
1 rod=5½ yards=16½ feet
1 mile=320 rods=1760 yards=5280 feet
1 U. S. nautical mile=6080.2 feet
1 knot=1 nautical mile per hour
1 furlong=⅛ mile=660 feet=220 yards
1 league=3 miles=24 furlongs
1 fathom=2 yards=6 feet
1 chain=100 links=22 yards
1 link=7.92 inches
1 hand=4 inches
1 span=9 inches

### Liquid Measure

4 gills=1 pint (O.)
2 pints=1 quart (qt.)
4 quarts=1 gallon (gal.)
63 gallons=1 hogshead (hhd.)
2 hogsheads=1 pipe or butt
2 pipes=1 tun

### Square Measure

1 square foot=144 square inches
1 sq. yard=9 sq. feet
1 sq. rod=30¼ sq. yards=272¼ sq. feet
1 acre=160 sq. rods=43560 sq. ft.
1 sq. mile=640 acres=102400 sq. rods
1 sq. rod=625 square links
1 sq. chain=16 square rods
1 acre=10 square chains

### Troy

(Used in weighing gold, silver, jewels)

1 pennyweight=24 grains
1 ounce=20 pennyweight
1 pound=12 ounces

### Metric

1 inch=2.54 centimeters
1 meter=39.37 inches
1 yard=0.914 meters
1 mile=1609 meters=1.61 kilometers
1 sq. inch=6.45 sq. cm.
1 sq. yard=0.84 sq. m.
1 sq. mile=2.59 sq. km.
1 acre=0.40 hektars
1 cu. yard=0.76 cubic meters
1 cu. meter=1.31 cubic yards
1 liter=1.06 U. S. liquid quarts
1 hektoliter=100 liters=26 42 U. S. liquid gallons
1 U. S. liquid quart=0.94 liters
1 U. S. liquid gallon=3.76 liters
1 metric ton=1000 kilograms
1 kilogram=2.20 pounds
1 pound avoirdupois=0.45 kilograms

# POSTAL RATES.—DOMESTIC

**June 1, 1956**

*The Bureau of Postoffice Operations advises no assurance that additional increase will not be legislated between now and Jan. 1, 1957 — for the year 1957 on all classes of mail. There are Bills before Congress which — if passed — may mean substantial increases.*

First Class Matter may be forwarded from one Postoffice to another without additional postage but other matter must have new postage.

## LETTERS AND POSTAL CARDS. — FIRST CLASS.

**Letters and Written and Sealed Matter,** 3 cents for each ounce, local and non-local, except that drop letters are subject to 2 cents for each ounce when deposited for local delivery at offices not having letter-carrier service, provided they are not collected or delivered by rural or star-route carriers.

**Postcards and Private Mailing Cards** (not larger than 3½ by 5½)..... .02

**Government Postal Cards,** each..... .02

**Stamped 3 cent Envelopes,** one, 4 cents; 25 large, 92 cents.

**Business Reply Cards,** 3 cents. **Business Reply 1 oz. letters,** 4 cents each.

## NEWSPAPERS AND PERIODICALS. — SECOND CLASS.

**Entire Newspapers or Magazines** containing notice of second class entry when mailed by public unsealed, 2 cents for 1st two ounces, 1 cent each added 2 oz. Fourth Class Rate applies when it is lower than Second Class.

## MERCHANDISE AND MISCELLANEOUS. — THIRD CLASS.

(Limit of weight 8 ounces.)

**Merchandise,** incomplete copies of newspapers, printed and other mailable matter, unsealed, 2 cents for first two ounces, 1 cent for each additional ounce.

**Identical pieces** of third-class matter may be mailed under permit in bulk lots of not less than either 20 pounds or 200 pieces, at the rate of 14 cents a pound, or fraction thereof. In case of circulars, miscellaneous printed matter, and merchandise, 10 cents a pound, or fraction thereof, in the case of books or catalogs having 24 pages or more, seeds, plants, etc., with a minimum charge of 1½ cents a piece in either case. Apply to postmaster for permit. The bulk mailing fee is $10 per calendar year.

Minimum charge for pieces of odd size or form, 3 cents.

**Books,** catalogues mailed in packages not exceeding 8 oz. in weight (must be of 24 or more pages and substantially bound, with at least 22 pages printed, seeds, cuttings, bulbs, roots, scions and plants, 2 ounces or fraction 2 cents, each added 2 oz. 1½ cents.

**Circulars** and other miscellaneous printed matter, also merchandise, 2 cents for the first 2 ounces and 1 cent for each additional 2 oz. Limit eight ounces.

## PARCEL POST. — FOURTH CLASS.

(For Zone consult Post Office)

**Catalogs and Similar Printed Advertising Matter,** in bound form having 24 or more pages, weighing over 8 ounces but not exceeding 10 pounds.

| ZONES | Local | 1st & 2nd | 3rd | 4th | 5th | 6th | 7th | 8th |
|---|---|---|---|---|---|---|---|---|
| 1st Lb. | 12c | 13c | 14c | 15c | 17c | 18c | 19c | 20c |
| Each Add. ½ Lb. (C) | 0.75 | 1.5 | 2 | 2.5 | 3.25 | 4 | 5 | 6 |

**Exception:** 1st or 2nd zone, where shortest regular mail route is 300 miles or more, third class rate applies.

**Books:** 8 cents for the first pound or fraction thereof and 4 cents for each additional pound or fraction thereof—24 or more pages permanently bound, not to exceed 70 pounds in weight.

**Library Books:** 4 cents for the first pound or fraction thereof and 1 cent for each additional pound or fraction thereof—limit of weight 70 pounds—when sent by public libraries, organizations, or associations not organized for profit for delivery in 1st three zones or within state where mailed.

Everything over 8 ounces, including books and printed matter, except **First Class** and newspapers and other periodicals entered as **Second Class** matter mailed by the publishers:—

**Weight Limits:** 70 lbs. and 100 inches combined length and girth—except between 1st Class postoffices (Postmaster has list) where limits are: In zones 1 and 2, 40 lbs. with 72 inch combined length and girth, other zones 20 lbs. and 72 inch combined length and girth. Parcels over 84 but under 100 inches combined length and girth charged as 10 pounds.

| Weight in Pounds | LOCAL | 1-2 Up to 150 miles | 3 150 to 300 miles | 4 300 to 600 miles | 5 600 to 1000 miles | 6 1000 to 1400 miles | 7 1400 to 1800 miles | 8 Over 1800 miles |
|---|---|---|---|---|---|---|---|---|
| 1 | $0.18 | $0.23 | $0.23 | $0.24 | $0.26 | $0.28 | $0.30 | $0.32 |
| 2 | .20 | .27 | .29 | .31 | .36 | .40 | .45 | .51 |
| 3 | .21 | .31 | .34 | .38 | .45 | .52 | .61 | .69 |
| 4 | .23 | .35 | .39 | .45 | .54 | .64 | .76 | .87 |
| 5 | .24 | .39 | .44 | .52 | .63 | .76 | .91 | 1.05 |
| 6 | .26 | .43 | .49 | .59 | .73 | .88 | 1.06 | 1.23 |
| 7 | .27 | .47 | .54 | .66 | .82 | 1.00 | 1.22 | 1.41 |
| 8 | .29 | .51 | .60 | .73 | .91 | 1.12 | 1.37 | 1.59 |
| 9 | .30 | .55 | .65 | .80 | 1.00 | 1.24 | 1.52 | 1.77 |
| 10 | .32 | .59 | .70 | .87 | 1.10 | 1.36 | 1.67 | 1.95 |
| 11 | .33 | .63 | .75 | .93 | 1.19 | 1.48 | 1.82 | 2.13 |
| 12 | .34 | .67 | .80 | 1.00 | 1.28 | 1.60 | 1.98 | 2.31 |
| 13 | .36 | .71 | .85 | 1.07 | 1.37 | 1.72 | 2.13 | 2.49 |
| 14 | .37 | .75 | .90 | 1.14 | 1.47 | 1.84 | 2.28 | 2.67 |
| 15 | .39 | .79 | .96 | 1.21 | 1.56 | 1.96 | 2.43 | 2.85 |
| 16 | .40 | .83 | 1.01 | 1.28 | 1.65 | 2.08 | 2.58 | 3.03 |
| 17 | .42 | .87 | 1.06 | 1.35 | 1.74 | 2.20 | 2.74 | 3. |
| 18 | .43 | .91 | 1.11 | 1.42 | 1.84 | 2.32 | 2.89 | 3.39 |
| 19 | .45 | .95 | 1.16 | 1.49 | 1.93 | 2.44 | 3.04 | 3.57 |
| 20 | 46 | 99 | 1.21 | 1.56 | 2.02 | 2.56 | 3.19 | 3.75 |

(Continued on Page 96)

## POSTAL RATES (Continued from Page 95)

### SPECIAL CLASSES. — DOMESTIC MAIL.

**Special Delivery: First Class Mail:** Each piece under 2 lbs.—20c; over 2 up to 10—35c; over 10 lbs.—50c.

**Parcel Post:** Up to 2 lbs.—35c; over 2 up to 10—45c; over 10 lbs.—60c.

**Special Handling: Parcel Post only:** Up to 2 lbs.—15c; over 2 lbs. up to 10—20c; over 10 lbs.—25c.

(This service expedites mail but does not include special delivery.)

**Registered Mail:** Up to $5.00 indemnity—40c; over $5.00 up to $25.00—55c; over $25.00 up to $50.00—65c; over $50.00 up to $75.00—75c; over $75.00 up to $100.00—85c. There are special surcharges when declared values exceed indemnities—see local Postmaster about these.

**Insured Mail: Third and Fourth Class Only:** Indemnity up to $5.00—5c; over $5.00 up to $10.00—10c; over $10.00 up to $25.00—15c; over $25.00 up to $50.00—20c; over $50.00 up to $100.00—30c.; over $100. up to $200.—35c.

**C.O.D.:** Indemnities up to $5.00, Registered 80c; Not reg. 30c; over $5.00 up to $10.00—Registered 80c, Non Reg. 40c; over $10.00 up to $25.00—Reg. $1.10, Non Reg. 60c; over $25.00 up to $50.00—Reg. $1.10, Non Reg. 70c; over $50.00 up to $100.00—Reg. $1.20, Non Reg. 80c.

**Money Orders:** Limit for each is One Hundred Dollars. If amount of money order is from 1c to $5.00 the fee is 10c: from $5.01 to $10.00 the fee is 15c; from $10.01 to $50.00 the fee is 25c; from $50.01 to $100.00 the fee is 35c.

**Certified Mail:** First class only having no value; add 15c to postage plus (a) 7c for ret. receipt showing to whom and when del'd; (b) 31c for whom, when, and address where del'd. Inquiry fee 10c. Obtain blank coupons from Postmaster.

## AIR MAIL: On United States Continent

**Letters:** Six cents per ounce. Postals four cents each.

**Air Mail Parcel Post** (Correspondence may be included in package). Weight limits and sizes same as Surface Mail.

ZONES

| Weight | 1, 2, 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|
| 8 oz. up to 1 pound | $0.60 | $0.65 | $0.70 | $0.75 | $0.75 | $0.80 |
| Each added pound | .48 | .50 | .56 | .64 | .72 | .80 |

## POSTAL RATES: International

**Letters:** *Surface rate*: To Canada and Mexico 3c per ounce or fraction; to all other countries 8c for the first ounce and 4c each additional ounce or fraction.

**Postcards:** *Surface rate*: To Canada and Mexico, 2c each; 4c with reply paid. To all other countries 4c each, 8c with reply paid. Maximum size 6x4 ¼ inches, minimum size 4x2¾ inches.

**Printed Matter.**—2 cents for first two ounces or fraction thereof, 1½c each additional 2 oz.

**Eight-ounce Merchandise Packages.**—Packages of merchandise weighing 8 ounces or less, for the countries named in the table below, 3 cents for first 2 ounces and 2c each additional 2 oz. Do not seal. Mark—"May be Opened for Inspection."

**Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, Guatemala, Haiti, Honduras (Republic), Mexico, Nicaragua, Panama, Paraguay, Peru, Salvador, El; Spain and possessions; Uruguay, Venezuela.**

**Small Packets.**—Three cents for first 2 ounces, and 2c for each additional 2 oz., with a minimum charge of 20 cents per packet. Limit of weight: 2 pounds, 3 ounces. Dimensions: Same as for letters. (Inquire at main office or classified stations for list of countries which accept small packets and mailing instructions.),

**Parcel Post.**—Basic rate 45c first pound, 22c each additional pound. For detailed information consult your local Postmaster.

**Registration, Insurance, Return Receipts**—For detailed information concerning these services, consult your local Postmaster.

## AIR MAIL: U.S. (Outside Continent) and International

(Air letter sheets, 10c each to all countries.)

(Air mail post cards (single), 10c each to all countries except Canada and Mexico, 4c, and St. Pierre and Miquelon, 8c.)

**Letters and Letter Packages**

A. 6 cents: (Per ounce) Canada, Mexico; Armed Forces or Civilian personnel with Army or Navy Postoffice addresses Continental United States, Alaska, Canal Zone, Canton Island, Guam, Hawaii, Puerto Rico, and U. S. Virgin Islands.

B. 10 cents: Central and South America, West Indies, British and French Guiana, British Honduras, Surinam and Bermuda .10—½ oz.

C. 15 cents: Great Britain, Europe and other Islands in waters around it, U.S.S.R., Vatican City, Algeria, Egypt, Iceland, Libya, Morocco, Tunis, Turkey .15—½ oz.

E. 25 cents: All other localities .25—½ oz.

Weight limit is 4 lbs., 6 oz. except: Canada, 60 lbs.

## OTHER INTERNATIONAL AIR SERVICE

Because of the varying rates and conditions, as well as frequent changes, applicable to other countries, it is important that a qualified postal employee handle parcel post transactions. Weight limits vary from 11 to 44 lbs.

| | 1. Commercial Papers, Printed Matter, etc., Samples (Unsealed) | | 2. Parcel Post | |
|---|---|---|---|---|
| From U. S. to: | First 2 oz. | Ea. Add'l 2 oz. | First 4 oz. | Ea. Add'l 4 oz. |
| England | $0.41 | $0.20 | $1.00 | $0.41 |
| France | .42 | .21 | 1.22 | .44 |
| Belgium | .42 | .21 | .98 | .43 |
| Italy | .45 | .24 | 1.08 | .50 |
| Sweden | .45 | .24 | .85 | .49 |
| Egypt | .52 | .31 | 1.35 | .64 |

# STATE EXTENSION DIRECTORS

Consult these men about your garden and farm problems. They know the answers. *Courtesy Lester A. Schlup, Chief, Division of Extension Information, U.S. Dept. Agr., Wash. 25, D. C.*

| | |
|---|---|
| Alabama: | P. O. Davis, Alabama Polytechnic Institute, Auburn. |
| Arizona: | C. U. Pickrell, University of Arizona, Tucson. |
| Arkansas: | Lippert S. Ellis, College of Agriculture, University of Arkansas, Fayetteville.<br>*C. A. Vines, Associate Director, 421 W. Capitol Ave., Little Rock. |
| California: | George B. Alcorn, Dir., College of Agriculture, University of California, Berkeley 4. |
| Colorado: | James E. Morrison, Colorado Agricultural and Mechanical College, Fort Collins. |
| Connecticut: | W. B. Young, Director, University of Connecticut, Storrs.<br>*Henry Hansen, Assoc. |
| Delaware: | G. M. Worrilow, Director, University of Delaware, Newark. |
| Florida: | H. G. Clayton, Horticultural Bldg., Univ. of Florida, Gainesville. |
| Georgia: | Dr. C. C. Murray, Georgia State College, Athens<br>*W. A. Sutton, Georgia State College of Agriculture, Athens, Associate Director. |
| Idaho: | James E. Kraus, College of Agriculture, University of Idaho, Moscow.<br>*C. O. Youngstrom, Associate Director, State House, Boise |
| Illinois: | Louis B. Howard, Dir., College of Agriculture, University of Illinois, Urbana.<br>*W. G. Kammlade, Associate Director, College of Agriculture, University of Illinois, Urbana. |
| Indiana: | H. J. Reed, Purdue University, LaFayette.<br>*L. E. Hoffman, Associate Director, Purdue Univ., Lafayette. |
| Iowa: | Floyd Andre, Iowa State College of Agriculture and Mechanic Arts, Ames. |
| Kansas: | Paul W. Griffith, Acting Director, Kansas State College of Agriculture and Applied Science, Manhattan. |
| Kentucky: | Frank J. Welch, College of Agriculture, University of Kentucky, Lexington 29.<br>Ernest J. Nesius, Assoc. Dir., |
| Louisiana: | H. C. Sanders, Louisiana State University and Agricultural and Mechanical College, University Station, Baton Rouge 3. |
| Maine: | A. L. Deering, College of Agriculture, University of Maine, Orono. |
| Maryland: | Paul E. Nystrom, Univ. of Maryland, College Park |
| Massachusetts: | James W. Dayton, Associate Dean and Director of Extension Service, University of Massachusetts, Amherst. |
| Michigan: | Paul A. Miller, Michigan State College of Agriculture and Applied Science, East Lansing. |
| Minnesota: | Skuli Rutford, Institute of Agriculture of the University of Minnesota, University Farm, St. Paul 1. |
| Mississippi: | Clay Lyle, Mississippi State College, State College<br>*M. S. Shaw, Associate Director, Mississippi State College, State College. |
| Missouri: | J. W. Burch, College of Agriculture, University of Missouri, Columbia. |
| Montana: | N. E. Beers, Director, Montana State College of Agriculture and Mechanic Arts, Bozeman. |
| Nebraska: | W. V. Lambert, Director, College of Agriculture, University of Nebraska, Lincoln 1.<br>*E. W. Janike, Associate Director. |
| Nevada: | John R. Bertrand, Agricultural Extension Division, University of Nevada, Reno. |
| New Hampshire: | L. A. Bevan, University of New Hampshire, Durham. |

| | |
|---|---|
| New Jersey: | W. H. Martin, State College of Agriculture and Mechanic Arts of Rutgers University, New Brunswick.<br>*(L. G. Cook, Associate Director, College of Agriculture, New Brunswick) |
| New Mexico: | Robert A. Nichols, New Mexico College of Agriculture and Mechanic Arts, State College.<br>*Alfred E. Trivitz, Assoc. Director. |
| New York: | M. C. Bond, New York State College of Agriculture, Ithaca. |
| North Carolina: | David Weaver, State College Station, Raleigh. |
| North Dakota: | E. J. Haslerud, North Dakota Agricultural College, State College Station, Fargo. |
| Ohio: | W. B. Wood, Director, College of Agriculture, Ohio State University, Columbus 10. |
| Oklahoma: | Shawnee Brown, Oklahoma Agricultural and Mechanical College, Stillwater. |
| Oregon: | F. Earl Price, Oregon State Agricultural College, Corvallis. *F. L. Ballard, Associate Director. |
| Pennsylvania: | H. R. Albrecht, Pennsylvania State University, College of Agriculture, State College. |
| Rhode Island: | H. O. Stuart, University of Rhode Island, Kingston. |
| South Carolina: | George B. Nutt, Clemson Agricultural College of South Carolina, Clemson. |
| South Dakota: | George I. Gilbertson, Director, South Dakota State College of Agriculture and Mechanic Arts, Brookings. |
| Tennessee: | J. H. McLeod, College of Agriculture, University of Tennessee, Knoxville 7. |
| Texas: | G. G. Gibson, Director, Agricultural and Mechanical College of Texas, College Station. |
| Utah: | Dr. Carl Frischknecht, Utah State Agricultural College, Logan. |
| Vermont: | J. E. Carrigan, College of Agriculture, University of Vermont, Burlington. |
| Virginia: | L. B. Dietrick, Virginia Polytechnic Institute, Blacksburg.<br>*W. H. Daugherty, Assoc. |
| Washington: | R. M. Turner, State College Box 328, Pullman. |
| West Virginia: | J. O. Knapp, College of Agriculture, West Virginia University, Morgantown. |
| Wisconsin: | H. L. Ahlgren, Associate Director, College of Agriculture, University of Wisconsin, Madison 6. |
| Wyoming: | George H. Starr, College of Agriculture, University of Wyoming, Laramie. |

*All general correspondence is conducted by the associate director.


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**ENGAGEMENT RING.** Large sparkling brilliant center simulated diamond set off by 2 delicate stones on each side. 1/30 14K rolled gold plate band.

**MATCHED WEDDING RING.** 1/30 14K rolled gold plate bands exquisitely set with 7 matched fiery replicas.

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Both rings, beautifully matched set, in plush lined gift box only $2.98 plus 30c tax. Cash orders postpaid. If C.O.D. postage extra. State ring size or enclose string tied around finger. Wear 10 days on approval and if not satisfied return for money back.

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Marlene's makes hair shine with cleanliness; Marlene's makes hair soft, luxurious, easier to manage, with more body and lustre and at the same time Marlene's actually CURLS and WAVES hair with each shampoo and set. Cleans, really beautifies, saves time and money. You have to wash your hair anyway, so next time try Marlene's. Send $1.10, tax included for enough Marlene's to give you 20 glamorous easy shampoo waves. Satisfaction or money back. Also at druggists.

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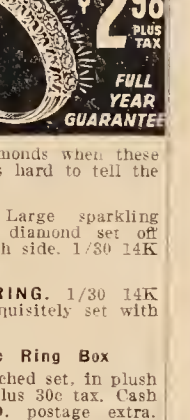
Quick, easy Tintz Touchup Pencil colors gray, faded hair at roots, parting, temples. Like lipstick. In metal swivel case. Won't rub off, but washes out. SEND NO MONEY. Deposit with postman on delivery $1.10 tax included plus C. O. D. postage on guarantee of satisfaction or Money Back. State shade: Black, Dark Brown, Med. Brown, Light Brown, Auburn or Blonde. Mail order now to: **TINTZ CO., Dept. 573, 230 N. Michigan Ave., Chicago 1, Ill.**

## *To The Man With*

# HERNIA



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The man condemned to live with rupture faces a grim future.

There is only one known cure . . . surgical correction. Yet, for many, this relief must be denied or delayed. That leaves only one question in the mind of the hernia sufferer: "What kind of a truss should I wear?" Until recently there was little choice. Conventional trusses for some 400 years have consisted of a leather-covered steel spring, which clamps around your hips tightly to force a knob-like pad against the hernia opening.

**Now a New Way to Support Hernia**

Less than two years ago a man who had suffered from reducible inguinal hernia himself devised a new kind of support. It is revolutionary. There are no steel springs. No leather. No hard, gouging knobs. No unsightly bulk. "RUPTURE-GARD" is suspended from the waist. It is comfortable to wear as a pair of trousers — and just as easy to slip on or off.

You'll like RUPTURE-GARD. If you have hernia — or know someone suffering from this affliction — won't you do yourself a real favor? Write Today!

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809 Wyandotte St., Kansas City 5, Mo.

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**Kansas City 5, Mo.**

Rush me in a plain envelope, full information about RUPTURE-GARD. I understand there is absolutely no obligation on my part.

Name_____

Address_____ Zone_____

City_____ State_____

# WEATHER TABLE,

## For foretelling the Weather through all the lunations of each year, forever.

This table, and the accompanying remarks, are the result of many years' actual observation, the whole being constructed on a due consideration of the attraction of the sun and moon, in their several positions respecting the earth, and will, by simple inspection, show the observer what kind of weather will most probably follow the entrance of the moon into any of its quarters, and that so near the truth as to be seldom or never found to fail.

This weather table will answer very well for anywhere in the United States. It is taken from the 1849 issue of The Old Farmer's Almanac and was widely used before the advent of the Weather Bureau.

The weather forecasts as given on the right hand pages of the Farm Calendars on pages 15 through 37 are strictly for Boston and East of the Hudson River. These forecasts contain elements which rise in the proximity of this region to the sea and to the paths of tropical storms. The application of these forecasts to middle western, western, and southern regions will not bring any reasonable degree of accuracy. However, for a rough rule of thumb if you insist on using the forecast on pages 15–37, you may subtract one day for each time zone West of the Hudson to compensate for the Easterly path of continental storms. For every hundred miles north or south of 42 degrees latitude, add a five degree temperature (colder if north, warmer if south) differential and for every 1000 feet above sea level consider your locality as five degrees cooler than the weather as given.

## WEATHER TABLE FOR ANYWHERE

| Moon | Time of Change | In Summer | In Winter |
|---|---|---|---|
| If the new moon, 1st quarter, full moon, or last quarter happens. | From Midnight to 2 A.M. | Fair | Hard frost, unless wind be S. or W. |
| | From 2 A.M. to 4 A.M. | Cold, with frequent showers | Snow and stormy |
| | From 4 A.M. to 6 A.M. | Rain | Rain |
| | From 6 A.M. to 8 A.M. | Wind and Rain | Stormy |
| | From 8 A.M. to 10 A.M. | Changeable | Cold Rain if wind be W.; Snow if E. |
| | From 10 A.M. to Noon | Frequent Showers | Cold & high wind. |
| | From Noon to 2 P.M. | Very rainy | Snow or rain. |
| | From 2 P.M. to 4 P.M. | Changeable | Fair & mild. |
| | From 4 P.M. to 6 P.M. | Fair | Fair. |
| | From 6 P.M. to 8 P.M. | Fair — if wind N.W. Rain — if S. or S.W. | Fair & frosty if wind N. or N.E.: Rain or snow if wind S. or S.W. |
| | From 8 P.M. to 10 P.M. | Same as from 6 P.M. to 8 P.M. | |
| | From 10 P.M. to Midnight | Fair | Fair & frosty. |

*Observations.* — 1. The nearer the moon's changes, first quarter, full, and last quarter are to *midnight*, the fairer will it be during the next seven days.

2. The space for this calculation occupies from ten at night till two next morning.

3. The nearer to *midday*, or *noon*, the phases of the moon happen, the more foul or wet weather may be expected during the next seven days.

4. The space for this calculation occupies from ten in the forenoon to two in the afternoon. These observations refer principally to the summer, though they affect spring and autumn nearly in the same ratio.

5. The moon's change, first quarter, full and last quarter, happening during six of the afternoon hours, i.e., from four to ten, may be followed by fair weather; but this is mostly dependent on the *wind*, as is noted in the table.

6. Though the weather, from a variety of irregular causes, is more uncertain in the latter part of autumn, the whole of winter, and the beginning of spring, yet, in the main, the above observations will apply to those periods also.

7. To prognosticate correctly, especially in those cases where the *wind* is concerned, the observer should be within sight of a good *vane*, where the four cardinal points of the heavens are correctly placed.

*The above table was originally formed by Dr. Herschell, and is now published with some alterations founded on the experience of Dr. Adam Clarke.*

## TO THE WEATHER-WISE

Dr. Foster, of Bruges, who is well known as a meteorologist, declares that, by journals of the weather kept by his grandfather, father, and himself, ever since 1767, to the present time, *whenever the new moon has fallen on a Saturday, the following twenty days have been wet and windy*, in nineteen cases out of twenty.

# USE THIS ALMANAC ANYWHERE IN THE U. S. A.

The times given on the left hand calendar pages (14 to 36) are calculated (every astronomer must have some starting place) exactly for the latitude (42 deg. 22 min. north) and longitude of Boston and in EASTERN STANDARD TIME which is the time of the 75th meridian West of Greenwich, England.

To overcome the difficulties of presenting one almanac which shall be useful not only for the spot where the astronomer is standing but also for other places, it has been customary to present three or four extra latitude columns — which at best give but a small measure of the desired accuracy. The Old Farmer's Almanac adopted a unique, copyrighted system of its own some years ago whereby the times as given may be corrected for wherever you happen to live by the use of the Almanac Data tables on pages 104 and 105.

Opposite the times given on the left hand calendar pages (14–36) for each day in the year for the Rising and Setting of the Sun, Moon and Planets you will find a capitalised letter of the alphabet. Turning to pages 104 and 105 you will find columns for each of these letters as well as a number of cities listed. If you live in one of those cities, simply read off the minus or plus number of minutes in the column under the alphabetical letter and correct the times given on pages 14–36.

If your city is not listed, choose two cities within the same time zone as your locality which lie on either side of your town. Interpolate between the corrections figures given for each key letter for each of these cities respectively and enter the result for your town below. The net figures resulting from this modification will be those to use in correcting the Almanac figures for Boston to get the standard times for your town.

For example, to find the corrections for Peoria, Ill., one finds that Peoria lies about halfway between Indianapolis and Des Moines. Thus the correction for the key letter "A" at Peoria would lie about halfway between those given in the table for Indianapolis and Des Moines (+12 and +34 respectively) and would be about +23. Or, by way of a second illustration, Concord, N. H., lies about one-eighth of the way from Portland, Me., to Pittsburgh, Pa., and the correction for the key letter "O" would lie about one-eighth of the way from the correction for Portland (+2) to that for Pittsburgh (+29) and would be +5.

| | A m | B m | C m | D m | E m | F m | G m | H m | I m | J m | K m | L m | M m | N m | O m | P m | Q m | ☽ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YOUR TOWN | | | | | | | | | | | | | | | | | | |
| Lat. | | | | | | | | | | | | | | | | | | |
| Lo. | | | | | | | | | | | | | | | | | | |

## HOW TIMES ARE CONVERTED FOR YOUR TOWN

**Sunrise and Sunset.** The times of sunrise and sunset at Boston on April 11 are read directly from columns 4 and 6 on page 20. The key letters adjacent to these times, in columns 5 and 7, are indices to the table on page 104 whereby the times of sunrise and sunset at Boston are converted into those for other key cities, to wit:—

| BOSTON | | | PITTSBURGH, PA. | |
|---|---|---|---|---|
| Sunrise | 5.10 | A.M.E.S.T. | Sunrise (Boston) | 5.10 A.M.E.S.T. |
| Key Letter | | G | Correction (Column G, page 105) | +:38 |
| | | | Sunrise (Pittsburgh) | 5.48 A.M.E.S.T. |
| Sunset | 6:22 | P.M.E.S.T. | Sunset (Boston) | 6.22 P.M.E.S.T. |
| Key letter | | K | Correction (Column K, page 105) | +:33 |
| | | | Sunset (Pittsburgh) | 6.55 P.M.E.S.T. |

**Sun Fast.** The column headed "Sun Fast" is of primary use to sundial enthusiasts. The figures therein tell how fast on each day the time indicated by a *properly adjusted and graduated* sundial will be of the time indicated by a clock. On April 11 sun time in Boston will be 15 minutes Fast of Eastern Standard Time. The time indicated by a sundial located elsewhere than in Boston is converted to clock time by applying two corrections, the "Sun Fast" correction for Boston and that for the locality given in Column I of the table on page 104 or 105.

**Length of Day.** The figures in the column headed "Length of Day" give directly the length of time the Sun will be above the horizon at Boston. The length of day in other localities is found by subtracting the time of sunrise from that of sunset for each locality. (See *Sunrise and Sunset* above.)

| BOSTON | | PITTSBURGH, PA. | |
|---|---|---|---|
| Length of day (From calendar page 20, April 11.) | 13h 12m | Sunset (Pittsburgh) | 6.55 P.M. |
| | | Sunrise (Pittsburgh) | 5.48 A.M. |
| | | Length of Day | 13h 7m |

**Moonrise and Moonset.** The procedure for finding the times of moonrise and moonset follows that for finding those of sunrise and sunset except that the constant additional correction taken from Column ☽ on pages 104, 105 must be applied.

| BOSTON | | PITTSBURGH | |
|---|---|---|---|
| Moonset | 3.12 A.M. E.S.T. | Moonset (Boston) | 3.12 A.M. |
| Key letter | J | Correction (Column O, page 105) | +:35 |
| April 25 | | Correction (Column ☽, page 105) | +:01 |
| Page 20 | | Moonrise (Pittsburgh) | 3.48 A.M., E.S.T. |

**Moon Souths.** The time the moon souths in Boston is converted to the time it is due south in a locality other than Boston by applying the appropriate corrections from Columns I and ☽ on page 104.

| BOSTON | | PITTSBURGH | |
|---|---|---|---|
| Moon souths | 9.37 P.M. E.S.T. | Moon souths (Boston) | 9.37 P.M. |
| | | Correction (Column I, page 105) | +:36 |
| April 11 | | Correction (Column ☽, page 105) | +:01 |
| Page 20 | | Moon souths (Pittsburgh) | 10.14 P.M., E.S.T. |

The other information concerning the Moon contained on the left hand Almanac pages applies without correction throughout the United States.

**Risings and Settings of the Planets.** The times of the rising and setting of the naked eye Planets with the exception of Mercury are given for Boston in the table on page 10. The procedure for converting these times to those of other localities follows that for converting the times of sunrise and sunset given on page 101.

**Dawn and Dark.** The approximate times dawn will break and dark descend are found by applying the length of twilight taken from the table below to the times of sunrise and sunset given on the calendar pages. The latitude of the locality determines the column of the table from which the length of twilight is to be selected.

| BOSTON (Latitude 42° 22′ N.) | April 11 | PITTSBURGH, PA. (Latitude 40° 26′ N.) | |
|---|---|---|---|
| Sunrise | 5.10 A.M. | Sunrise | 5.48 A.M. |
| Subtract length of twilight (Column 4 of table) | 1:39 | Subtract length of twilight (Column 3 of table) | 1.39 |
| Dawn breaks | 3.31 A.M.E.S.T. | Dawn breaks | 4.09 A.M., E.S.T. |
| Sunset | 6.22 P.M. | Sunset | 6.55 P.M. |
| Add length of twilight | 1:39 | Add length of twilight | 1:39 |
| Dark descends | 8.01 P.M.E.S.T. | Dark descends | 8.34 P.M., E.S.T. |

## LENGTH OF TWILIGHT

Subtract from time of sunrise for dawn.
Add to time of sunset for dark.

| Latitude | 25°N to 30°N | 31°N to 36°N | 37°N to 42°N | 43°N to 47°N | 48°N to 49°N |
|---|---|---|---|---|---|
| | h m | h m | h m | h m | h m |
| Jan. 1 to Apr. 11 | 1 20 | 1 26 | 1 33 | 1 42 | 1 50 |
| Apr. 11 to May 3 | 1 23 | 1 28 | 1 39 | 1 51 | 2 04 |
| May 3 to May 15 | 1 26 | 1 34 | 1 47 | 2 02 | 2 22 |
| May 15 to May 26 | 1 29 | 1 38 | 1 52 | 2 13 | 2 42 |
| May 26 to July 23 | 1 32 | 1 43 | 1 59 | 2 27 | — |
| July 23 to Aug. 4 | 1 29 | 1 38 | 1 52 | 2 13 | 2 42 |
| Aug. 4 to Aug. 15 | 1 26 | 1 34 | 1 47 | 2 02 | 2 22 |
| Aug. 15 to Sept. 6 | 1 23 | 1 28 | 1 39 | 1 51 | 2 04 |
| Sept. 6 to Dec. 31 | 1 20 | 1 26 | 1 33 | 1 42 | 1 50 |

# TIDE CORRECTIONS

To obtain the time and height of high water at any place, apply the differences in accordance with the sign given to the daily predictions for Boston (Commonwealth Pier). Where a value in the "height difference" column is preceded by an*, the height at Boston should be multiplied by this ratio.

| | *Time Difference h.m.* | *Height Difference Ft.* |
|---|---|---|
| MAINE | | |
| Augusta | +3 50 | *0.4 |
| Bangor | −0 05 | +3.6 |
| Bar Harbor | −0 33 | +1.1 |
| Boothbay Harbor | −0 20 | −0.8 |
| Eastport | −0 28 | *1.9 |
| Old Orchard | −0 10 | −0.7 |
| Portland | −0 10 | −0.6 |
| Stonington | −0 30 | +0.2 |
| NEW HAMPSHIRE | | |
| Hampton | +0 15 | −1.2 |
| MASSACHUSETTS | | |
| Fall River | −3 16 | *0.5 |
| Falmouth | −0 40 | *1.1 |
| Hyannisport | +0 45 | *0.3 |
| Lynn | +0 05 | −0.2 |
| Marblehead | −0 05 | −0.3 |
| Marion | −3 16 | *0.4 |
| Monument Beach | −3 06 | *0.4 |
| Nantasket | +0 10 | +0.1 |
| Nantucket | +0 50 | *0.3 |
| New Bedford | −3 21 | *0.4 |
| Oak Bluffs | +0 05 | *0.2 |
| Onset | −3 06 | *0.5 |
| Plymouth | 0 00 | +0.1 |
| Provincetown | +0 15 | −0.3 |
| Scituate | −0 05 | −0.5 |
| Wellfleet | +0 20 | +0.6 |
| Woods Hole | −3 01 | *0.2 |
| RHODE ISLAND | | |
| Block Island | −3 21 | *0.3 |
| Narragansett Pier | −3 31 | *0.4 |
| Newport | −3 31 | *0.4 |
| Providence | −3 11 | *0.5 |
| Watch Hill | −2 06 | *0.3 |
| CONNECTICUT | | |
| Long Island Sound | −0 02 | *0.7 |
| New London | −1 47 | *0.3 |
| NEW YORK | | |
| Coney Island | −3 00 | *0.5 |
| Long Beach | −3 57 | *0.5 |
| Long Island Sound | +0 08 | *0.7 |
| New York City | −2 50 | *0.5 |
| Ocean Beach | −3 57 | *0.4 |
| Southampton | −3 22 | *0.3 |
| NEW JERSEY | | |
| Atlantic City | −3 57 | *0.5 |
| Bayside | −0 24 | *0.6 |
| Cape May | −3 37 | *0.5 |
| Ocean City | −3 17 | *0.4 |
| Seabright to Seaside Park | −3 44 | *0.5 |
| PENNSYLVANIA | | |
| Philadelphia | +2 29 | *0.5 |
| DELAWARE | | |
| Rehoboth | −3 37 | *0.4 |
| MARYLAND | | |
| Baltimore | −4 25 | *0.1 |
| Ocean City | −3 57 | *0.4 |
| DISTRICT OF COLUMBIA | | |
| Washingtou | −3 08 | *0.3 |
| VIRGINIA | | |
| Norfolk | −1 54 | *0.3 |
| Virginia Beach | −3 14 | *0.3 |
| NORTH CAROLINA | | |
| Beaufort | −2 59 | *0.3 |
| Carolina Beach | −3 30 | *0.4 |
| SOUTH CAROLINA | | |
| Myrtle Beach | −3 45 | *0.5 |
| Charleston | −3 15 | *0.5 |
| GEORGIA | | |
| St. Simon's Island | −2 51 | *0.7 |
| Savannah | −2 40 | *0.8 |
| Tybee Beach | −3 26 | *0.8 |
| FLORIDA | | |
| Daytona | −3 20 | *0.4 |
| Fort Lauderdale | −2 15 | *0.3 |
| Jacksonville | −0 40 | *0.1 |
| Miami | −3 00 | *0.3 |
| Palm Beach | −3 20 | *0.3 |
| Port Everglades | −2 15 | *0.3 |
| St. Augustine | −2 20 | *0.5 |
| St. Petersburg | +3 58 | *0.2 |
| WASHINGTON | | |
| Ilwaco | +1 44 | −3.5 |
| Port Townsend | +5 04 | *0.5 |
| Seattle | +5 37 | −2.0 |
| OREGON | | |
| Astoria | +1 37 | −3.3 |
| Cape Arago | +1 19 | −4.8 |
| Yaquina Head | +1 12 | −3.7 |
| CALIFORNIA | | |
| Catalina Island | −1 33 | −5.9 |
| Crescent City | +0 56 | −5.0 |
| Eureka | +1 20 | −5.0 |
| Long Beach | −1 37 | −5.5 |
| Monterey | −0 03 | *0.4 |
| Point Mendocino | +0 24 | *0.4 |
| San Diego | −1 35 | −5.9 |
| San Francisco | +0 59 | *0.4 |
| Santa Barbara | −1 19 | −6.0 |
| Santa Cruz | +0 08 | *0.4 |

**Example:** The figures for Full Sea in Columns 11 and 12 of the left hand Almanac pages 14-36 are the times of high tide at Commonwealth Pier in Boston Harbor. The heights of these tides are given on the right hand pages 15-37. The heights are reckoned from Mean Low Water: each day has a set of figures—upper for the morning—and lower for the evening. The conversion of the times of the tides at Boston to those of Miami is given by way of illustration.

**Example: Apr. 11. See page 20, column 11, for time; page 21 for height.**

| BOSTON | | MIAMI | |
|---|---|---|---|
| High Tide (from page 20) | 8.30 P.M.E.S.T. | High tide (Boston) | 8.30 P.M. |
| | | Correction above | −3.00 |
| | | High tide (Miami) | 5.30 P.M.E.S.T. |
| Height (from page 21) | 10.5 feet | Height (Miami) (10.5 x 0.3) | 3.15 feet |

# ALMANAC DATA — ALL POINTS IN U.S.A.

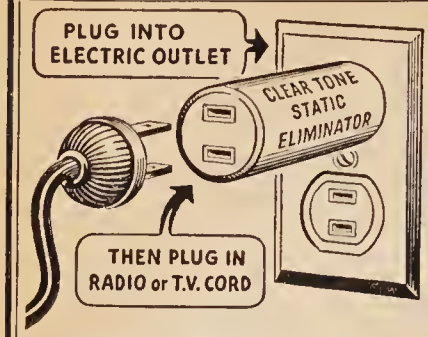
## TABLE FOR FINDING TIMES OF SUNRISE, SUNSET, MOONRISE, MOONSET, AND RISING AND SETTING OF PLANETS TO WITHIN 5 MIN. ACCURACY ANYWHERE IN U. S. A.

(See explanation on preceding page 101. Column keyletters refer to pages 10, 14-36.)

| City | Latitude | Longitude | Time used | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | ☽ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | |
| Your town (interpolate between nearest two in your time zone) SUBTRACT OR ADD these minutes to Almanac times given (pages 12-34). | | | | | | | | | | | | | | | | | | | | | |
| Amarillo, Texas... | 35 12 27 | 101 50 04 | CST | + 88 | +85 | +82 | +78 | +74 | +70 | +66 | +63 | +59 | +55 | +51 | +48 | +44 | +40 | +37 | +33 | +30 | +4 |
| Atlanta, Ga..... | 33 45 10 | 84 23 37 | EST | + 87 | +84 | +80 | +75 | +71 | +66 | +62 | +57 | +53 | +48 | +44 | +39 | +35 | +31 | +27 | +23 | +19 | +2 |
| Augusta, Ga..... | 33 28 20 | 81 58 00 | EST | + 79 | +75 | +71 | +66 | +62 | +57 | +52 | +48 | +43 | +39 | +34 | +29 | +25 | +20 | +16 | +12 | + 8 | +2 |
| Baltimore, Md.... | 39 17 26 | 76 36 45 | EST | + 36 | +34 | +32 | +31 | +29 | +27 | +25 | +24 | +22 | +20 | +19 | +17 | +15 | +13 | +12 | +10 | + 8 | +1 |
| Beaumont, Tex.... | 30 05 20 | 94 06 09 | CST | + 78 | +73 | +68 | +62 | +65 | +49 | +43 | +37 | +31 | +25 | +19 | +13 | + 7 | + 1 | − 4 | −10 | −15 | +3 |
| Birmingham, Ala.. | 33 21 01 | 86 48 36 | CST | + 38 | +34 | +30 | +25 | +21 | +16 | +11 | + 7 | + 2 | − 2 | − 7 | −11 | −16 | −20 | −24 | −28 | −33 | +2 |
| Canton, Ohio..... | 40 47 50 | 81 22 37 | EST | + 48 | +47 | +46 | +45 | +44 | +44 | +43 | +42 | +41 | +40 | +39 | +39 | +38 | +37 | +36 | +35 | +34 | +1 |
| Charleston, S. C.... | 32 46 35 | 79 55 53 | EST | + 73 | +69 | +64 | +60 | +54 | +49 | +44 | +40 | +35 | +30 | +25 | +20 | +15 | +11 | + 6 | + 2 | − 3 | +1 |
| Charleston, W. Va.. | 38 21 01 | 81 37 52 | EST | + 59 | +57 | +55 | +53 | +51 | +48 | +46 | +44 | +42 | +40 | +37 | +35 | +33 | +31 | +29 | +27 | +25 | +1 |
| Chicago, Ill..... | 41 52 28 | 87 38 22 | CST | + 9 | + 8 | + 8 | + 8 | + 7 | + 7 | + 7 | + 7 | + 6 | + 6 | + 6 | + 5 | + 5 | + 5 | + 5 | + 4 | + 4 | +2 |
| Cincinnati, Ohio... | 39 06 07 | 84 30 35 | EST | + 68 | +66 | +65 | +63 | +61 | +59 | +57 | +55 | +54 | +52 | +50 | +48 | +46 | +45 | +43 | +41 | +39 | +2 |
| Columbia, S. C.... | 34 00 02 | 81 02 00 | EST | + 73 | +70 | +66 | +61 | +57 | +52 | +48 | +44 | +39 | +35 | +31 | +26 | +22 | +18 | +14 | +10 | + 6 | +1 |
| Columbus, Ga..... | 32 28 07 | 84 59 24 | EST | + 94 | +90 | +85 | +80 | +75 | +70 | +65 | +60 | +55 | +50 | +45 | +40 | +35 | +30 | +26 | +21 | +17 | +2 |
| Columbus, Ohio... | 39 57 47 | 83 00 17 | EST | + 58 | +57 | +56 | +54 | +53 | +52 | +50 | +49 | +47 | +46 | +45 | +43 | +42 | +41 | +39 | +38 | +37 | +2 |
| Corpus Christi, ??x | 27 47 51 | 97 23 45 | CST | +103 | +98 | +91 | +83 | +75 | +68 | +60 | +52 | +45 | +37 | +29 | +21 | +14 | + 6 | 0 | − 7 | −14 | +4 |
| Dallas-Ft. Worth.. | 32 47 09 | 96 47 37 | CST | + 81 | +78 | +73 | +68 | +63 | +58 | +53 | +48 | +43 | +38 | +33 | +28 | +23 | +19 | +14 | +10 | + 5 | +4 |
| Denver, Colo..... | 39 44 58 | 104 59 22 | MST | + 27 | +26 | +23 | +23 | +21 | +20 | +18 | +17 | +16 | +14 | +13 | +11 | +10 | + 8 | + 7 | + 6 | + 4 | +5 |
| Des Moines, Iowa.. | 41 35 14 | 93 37 00 | CST | + 34 | +34 | +33 | +33 | +32 | +31 | +31 | +30 | +30 | +30 | +29 | +29 | +28 | +28 | +27 | +27 | +26 | +3 |
| Detroit, Michigan. | 42 19 48 | 83 02 57 | EST | + 48 | +48 | +48 | +48 | +48 | +48 | +48 | +48 | +48 | +48 | +48 | +48 | +48 | +48 | +48 | +48 | +48 | +2 |
| *Durham, N. C..... | 36 00 00 | 78 54 45 | EST | + 58 | +56 | +52 | +48 | +45 | +41 | +38 | +34 | +31 | +28 | +24 | +21 | +17 | +14 | +11 | + 8 | + 5 | +1 |
| Evansville, Ind.... | 37 58 20 | 87 34 21 | CST | + 25 | +23 | +20 | +18 | +15 | +13 | +11 | + 8 | + 6 | + 3 | + 1 | − 1 | − 4 | − 6 | − 8 | −11 | −13 | +2 |
| Galveston, ..... | 29 18 10 | 94 47 43 | CST | + 84 | +79 | +73 | +67 | +61 | +54 | +48 | +41 | +35 | +29 | +23 | +16 | +10 | + 4 | − 1 | − 7 | −13 | +3 |
| *Hamilton, Ohio.... | 39 24 00 | 84 33 00 | EST | + 66 | +65 | +63 | +61 | +60 | +58 | +56 | +55 | +53 | +52 | +50 | +48 | +47 | +45 | +44 | +42 | +40 | +2 |
| Hartford, Ct..... | 41 46 12 | 72 40 49 | EST | + 10 | + 9 | + 9 | + 8 | + 8 | + 8 | + 7 | + 7 | + 7 | + 6 | + 6 | + 5 | + 5 | + 5 | + 4 | + 4 | + 4 | 0 |
| Indianapolis, Ind... | 39 46 07 | 86 09 46 | CST | + 12 | +11 | + 9 | + 8 | + 6 | + 5 | + 3 | + 2 | 0 | − 1 | − 3 | − 4 | − 6 | − 7 | − 8 | −10 | −11 | +2 |
| Jackson, Miss..... | 32 17 56 | 90 11 06 | CST | + 55 | +51 | +47 | +42 | +36 | +31 | +26 | +21 | +16 | +11 | + 6 | 0 | − 5 | − 9 | −14 | −18 | −23 | +3 |
| Jacksonville, Fla... | 30 19 44 | 81 39 42 | EST | + 87 | +83 | +77 | +71 | +65 | +59 | +53 | +47 | +42 | +36 | +30 | +24 | +18 | +12 | + 7 | + 2 | − 4 | +1 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Little Rock, Ark. | 34 | 44 | 42 | 92 | 16 | 37 | CST | + 55 | +52 | +48 | +44 | +40 | +36 | +32 | +28 | +24 | +21 | +17 | +13 | + 9 | + 5 | + 1 | − 2 | − 6 | +3 |
| Los Angeles, Cal. | 34 | 03 | 15 | 118 | 14 | 28 | PST | + 41 | +38 | +31 | +30 | +25 | +21 | +17 | +12 | + 8 | + 4 | − 1 | − 5 | − 9 | −13 | −17 | −21 | −25 | +7 |
| Macon, Georgia | 32 | 50 | 12 | 83 | 73 | 36 | EST | + 88 | +84 | +79 | +74 | +69 | +64 | +60 | +55 | +50 | +45 | +40 | +35 | +30 | +26 | +21 | +17 | +12 | +2 |
| Madison, Wis. | 43 | 04 | 23 | 89 | 22 | 55 | CST | + 10 | +11 | +11 | +12 | +12 | +12 | +13 | +13 | +14 | +14 | +15 | +15 | +15 | +16 | +16 | +17 | +17 | +3 |
| Memphis, Tenn. | 35 | 08 | 46 | 90 | 03 | 10 | CST | + 45 | +42 | +38 | +34 | +31 | +27 | +23 | +19 | +15 | +12 | + 8 | + 4 | 0 | − 4 | − 7 | −10 | −14 | +3 |
| Miami, Fla. | 25 | 46 | 37 | 80 | 11 | 32 | EST | + 95 | +90 | +83 | +75 | +67 | +59 | +51 | +44 | +36 | +28 | +20 | +13 | + 5 | − 2 | − 9 | −16 | −23 | +1 |
| Mobile, Ala. | 30 | 41 | 36 | 88 | 02 | 33 | CST | + 52 | +48 | +42 | +36 | +31 | +25 | +19 | +13 | + 7 | + 2 | − 4 | −10 | −16 | −21 | −26 | −31 | −37 | +2 |
| Montgomery, Ala. | 32 | 22 | 33 | 86 | 18 | 31 | CST | + 40 | +36 | +31 | +26 | +21 | +16 | +11 | + 5 | 0 | − 5 | −10 | −15 | −20 | −25 | −29 | −34 | −38 | +2 |
| Nashville, Tenn. | 36 | 09 | 33 | 86 | 46 | 55 | CST | + 29 | +26 | +23 | +19 | +16 | +12 | + 9 | + 6 | + 3 | − 1 | − 4 | − 7 | −11 | −14 | −17 | −20 | −23 | +2 |
| New Haven, Ct. | 41 | 18 | 25 | 72 | 55 | 30 | EST | + 9 | + 9 | + 9 | + 8 | + 8 | + 7 | + 7 | + 7 | + 6 | + 6 | + 6 | + 5 | + 5 | + 4 | + 4 | + 4 | + 3 | 0 |
| New Orleans, La. | 29 | 56 | 53 | 90 | 04 | 10 | CST | + 63 | +58 | +52 | +46 | +40 | +34 | +28 | +21 | +15 | + 9 | + 3 | − 3 | − 9 | −15 | −20 | −26 | −31 | +3 |
| New York, N. Y. | 40 | 45 | 06 | 73 | 59 | 39 | EST | + 18 | +17 | +16 | +15 | +14 | +13 | +13 | +12 | +11 | +10 | + 9 | + 8 | + 8 | + 7 | + 6 | + 5 | + 4 | +0 |
| Norfolk, Va. | 36 | 51 | 10 | 76 | 17 | 21 | EST | + 44 | +42 | +39 | +36 | +33 | +30 | +27 | +24 | +21 | +18 | +15 | +12 | + 9 | + 7 | + 4 | + 1 | − 2 | +1 |
| Oklahoma City | 35 | 28 | 26 | 97 | 31 | 04 | CST | + 74 | +71 | +67 | +64 | +60 | +56 | +53 | +49 | +45 | +42 | +38 | +34 | +31 | +27 | +24 | +21 | +17 | +4 |
| *Ottawa, Ontario | 45 | 31 | + | 76 | 43 | − | EST | + 3 | + 5 | + 7 | + 9 | +11 | +13 | +15 | +17 | +19 | +21 | +23 | +24 | +26 | +28 | +30 | +32 | +34 | +1 |
| Philadelphia, Pa. | 39 | 56 | 58 | 75 | 09 | 21 | EST | + 27 | +26 | +25 | +23 | +22 | +20 | +19 | +19 | +16 | +15 | +13 | +12 | +11 | + 9 | + 8 | + 7 | + 5 | +1 |
| Phoenix, Arizona | 33 | 27 | 12 | 112 | 04 | 28 | MST | + 79 | +75 | +71 | +67 | +62 | +57 | +53 | +48 | +44 | +39 | +34 | +30 | +25 | +21 | +17 | +13 | + 8 | +6 |
| Pittsburg, Pa. | 40 | 26 | 19 | 80 | 00 | 00 | EST | + 44 | +43 | +42 | +41 | +40 | +39 | +38 | +37 | +36 | +35 | +33 | +32 | +31 | +30 | +29 | +28 | +27 | +1 |
| Portland, Maine | 43 | 39 | 33 | 70 | 15 | 19 | EST | − 9 | − 9 | − 8 | − 7 | − 6 | − 5 | − 4 | − 4 | − 3 | − 2 | − 1 | − 1 | 0 | + 1 | + 2 | + 2 | + 3 | 0 |
| Pueblo, Colo. | 38 | 16 | 17 | 104 | 36 | 33 | MST | + 32 | +30 | +28 | +25 | +23 | +21 | +18 | +16 | +14 | +12 | +10 | + 7 | + 5 | + 3 | + 1 | − 1 | − 3 | +5 |
| Richmond, Va. | 37 | 32 | 15 | 77 | 26 | 09 | EST | + 47 | +44 | +41 | +38 | +36 | +33 | +30 | +28 | +25 | +22 | +20 | +17 | +15 | +12 | +10 | + 7 | + 5 | +1 |
| Sacramento, Cal. | 38 | 34 | 57 | 121 | 29 | 41 | PST | + 38 | +36 | +34 | +32 | +30 | +28 | +26 | +24 | +22 | +20 | +17 | +15 | +13 | +11 | + 9 | + 7 | + 5 | +7 |
| St. Louis, Mo. | 38 | 37 | 45 | 90 | 12 | 22 | CST | + 33 | +32 | +30 | +28 | +25 | +23 | +21 | +19 | +17 | +15 | +13 | +11 | + 9 | + 7 | + 5 | + 3 | + 1 | +3 |
| Salt Lake City, Utah | 40 | 45 | 23 | 111 | 53 | 26 | MST | + 50 | +50 | +49 | +48 | +47 | +46 | +45 | +44 | +43 | +42 | +41 | +40 | +40 | +39 | +38 | +37 | +36 | +4 |
| San Antonio, Tex. | 29 | 25 | 37 | 98 | 29 | 06 | CST | + 95 | +90 | +85 | +78 | +72 | +66 | +60 | +54 | +48 | +41 | +35 | +29 | +23 | +17 | +12 | + 6 | + 1 | +4 |
| San Diego, Cal. | 32 | 42 | 53 | 117 | 09 | 21 | PST | + 42 | +38 | +33 | +29 | +24 | +19 | +14 | + 9 | + 4 | − 1 | − 6 | −11 | −16 | −20 | −24 | −29 | −33 | +6 |
| San Francisco, Cal. | 37 | 46 | 39 | 112 | 24 | 40 | PST | + 44 | +42 | +40 | +38 | +35 | +33 | +30 | +28 | +25 | +23 | +20 | +18 | +15 | +13 | +11 | + 8 | + 6 | +7 |
| San Jose, Cal. | 37 | 20 | 16 | 121 | 53 | 24 | PST | + 45 | +42 | +40 | +37 | +34 | +31 | +28 | +26 | +23 | +21 | +19 | +16 | +14 | +12 | +10 | + 8 | + 6 | +7 |
| Savannah, Ga. | 32 | 04 | 42 | 81 | 05 | 37 | EST | + 80 | +76 | +71 | +66 | +60 | +55 | +50 | +45 | +40 | +34 | +29 | +24 | +19 | +14 | + 9 | + 5 | 0 | +1 |
| Seattle, Wash. | 47 | 36 | 32 | 122 | 20 | 12 | PST | − 2 | + 1 | + 4 | + 8 | +12 | +15 | +19 | +22 | +26 | +29 | +32 | +36 | +39 | +43 | +47 | +50 | +53 | +7 |
| Springfield, Ohio | 39 | 55 | 38 | 83 | 48 | 29 | EST | + 63 | +62 | +60 | +59 | +57 | +56 | +55 | +53 | +52 | +50 | +49 | +47 | +46 | +45 | +43 | +42 | +40 | +2 |
| Spokane, Wash. | 47 | 39 | 32 | 117 | 25 | 33 | PST | − 22 | −19 | −16 | −12 | − 8 | − 4 | − 1 | + 3 | + 6 | + 9 | +13 | +16 | +20 | +23 | +26 | +30 | +34 | +6 |
| Stockton, Cal. | 37 | 57 | 30 | 121 | 17 | 16 | PST | + 44 | +42 | +39 | +37 | +34 | +32 | +29 | +27 | +25 | +22 | +20 | +17 | +15 | +13 | +10 | + 8 | + 6 | +7 |
| Tacoma, Wash. | 47 | 14 | 59 | 122 | 26 | 15 | PST | + 1 | + 3 | + 6 | +10 | +13 | +17 | +20 | +23 | +26 | +29 | +32 | +35 | +39 | +42 | +45 | +48 | +52 | +7 |
| Tampa, Fla. | 27 | 56 | 58 | 82 | 27 | 25 | EST | + 99 | +94 | +87 | +80 | +73 | +66 | +59 | +52 | +45 | +38 | +31 | +24 | +17 | +11 | + 5 | − 1 | − 8 | +2 |
| Washington, D.C. | 38 | 53 | 51 | 77 | 00 | 33 | EST | + 39 | +37 | +36 | +34 | +32 | +30 | +28 | +26 | +24 | +22 | +20 | +18 | +16 | +14 | +12 | +10 | + 8 | +1 |
| Wilmington, Del. | 39 | 44 | 46 | 75 | 32 | 51 | EST | + 29 | +28 | +27 | +25 | +24 | +22 | +21 | +19 | +18 | +16 | +15 | +14 | +12 | +11 | + 9 | + 8 | + 6 | +1 |
| *Winnipeg, Man. | 49 | 51 | − | 96 | − | − | CST | + 2 | + 7 | +13 | +19 | +25 | +30 | +35 | +40 | +45 | +50 | +55 | +60 | +66 | +71 | +76 | +82 | +89 | +4 |

* Scaled from maps.

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## Answer to Rebuses

(Pages 48 and 65)

1. **Plough chaise-rs bee-x in-2 p-runing hoe-oks.** (Ploughshares beaten into pruning hooks.)
2. **And sofa well my f-(on)-dest hoe-ppp.** (And so farewell my fondest hopes.)
3. **Do knot (over-s-time-8) ewer own cap-ass-eye-tea!** (Do not over-estimate your own capacity.)
4. **Tea-her-e is kno-t error e-ass-eye-us in ewer three ats.** (There is no terror, Cassius, in your threats.)
5. **S-harp key-ld boat-s r safe butt can caps-ii.** (Sharp-keeled boats are safe, but can capsize.)
6. **Gee hay-v bee-gun tomb-eye-grate in-f-lock-s.** (Geese have begun to migrate in flocks.)
7. **Sum dam-cell-s can sk8 rem ark-a-bee-ly well.** (Some damsels can skate remarkably well.)
8. **Eye-f ewe s-tub ewer toe yew will f-awl.** (If you stub your toe you will fall.)
9. **Sleigh-tea C (over) ed house-s R safe-st from corn flagrat-ion.** (Slate covered houses are safest from conflagration.)
10. **Men as well aa women r maid vane by tom(b) uch pea-rays.** (Men as well as women are made vain by too much praise.)
11. **OT-hat eye head the wing s-of-a-dove.** (O that I had the wings of a dove.)
12. **Cane-9 intell-eye-gents & fiddle-eye-tea r 1-deer ful.** (Canine intelligence and fidelity are wonderful.)
13. **1000 hart-s beet hay-pie-ly.** (One thousand hearts beat happily.)
14. **N E body can de-cypher tea-h-eyes.** (Anybody can decipher this.)

(Concluded Page 109.)


# CORNS · CALLOUSES

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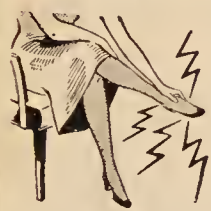

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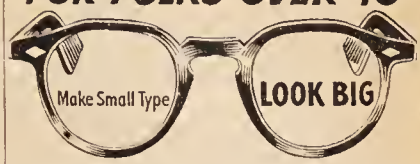


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# GLOSSARY OF ASTRONOMICAL TERMS, ETC.

**Aph. — Aphelion** . . . Planet revolving about Sun reaches point in its orbit farthest away from the Sun.
**Apo. — Apogee** . . . Moon reaches point in its orbit farthest from Earth.
**Conj. — conjunction** . . . moment of closest approach to each other of any two heavenly bodies.
**declination** (see top left hand calendar pages) . . . measure of angular distance any celestial object lies perpendicularly north or south of celestial equator. Exactly analogous to terrestrial latitude. OFA gives declination at time each day the Sun is due South.
**Dominical Letter** . . . used in reckoning civil calendars.
**Eclipse, annular** . . . when sunlight shows around the Moon during the eclipse.
**Eclipse, lunar** . . . opposition of Sun and Moon with moon at or near node.
**Eclipse, solar** . . . conjunction of Sun and Moon with Moon at or near node.
**Ecliptic** . . . that circle in which the plane of the orbit of the Earth about the Sun would if extended cut the celestial sphere — or the apparent path of the Sun in the sky in a year due to the Earth's revolution about the Sun each year.
**El. — elongation** . . . apparent angular distance of a member of the solar system from the Sun as seen from the Earth.
**Epact** . . . used in reckoning ecclesiastical calendars, age of calendar moon Jan. 1.
**Eq.** . . . equator.
**Equinox, autumnal** . . . Sun passes from northern to southern hemisphere. Fall.
**Equinox, vernal** . . . sun passes from southern to northern hemisphere. Spring.
**Full Sea** (Morn and Eve) . . . the time the tide is high in the morning and in the evening at Commonwealth Pier, Boston. A correction table in the OFA also adjusts this time for other places. (See page 103)
**Gr. El.** . . . greatest elongation.
**Golden Number** . . . used in reckoning civil calendars.
**Inf. — Inferior** . . . Inferior conjunction is when the Planet is between the Sun and the Earth.
**Julian Period** . . . First year was 4713 B.C. Its length is 7980 years.
**Moon's Age** . . . average time elapsing between new moons (max. 29½ days). Calculated when Moon is due South.
(☽) First Quarter . . . moon in quadrature East or one half of the side of the moon toward the earth is illuminated.
(○) Full Moon . . . moon reaches opposition.
(☾) Last Quarter . . . moon in quadrature West.
(●) New Moon . . . Sun and Moon in conjunction.
**Moon Rise and Set** . . . as used in the OFA apply only to risings and settings between sunset and sunrise . . . or during the night.
**Moon Runs High or Low** . . . day of month Moon Souths highest or lowest above the horizon.
**Moon Souths** . . . Moon exactly above South point of observer's horizon.
**Occultations** . . . eclipses of Stars by the Moon.
**Opposition** . . . time when Sun, and Moon or Planet appear on opposite sides of the sky (elongation 180 degrees).
**O.S. — Old Style** . . . was when calendar was eleven days "out of whack." In September, 1752, the 3rd was reckoned as the 14th, to make present calendar.
**Peri. — Perigee** . . . Moon reaches point in its orbit closest to Earth.
**Peri. — Perihelion** . . . Planet revolving about the Sun reaches point in its orbit closest to Sun.
**R.A. — Right Ascension** . . . the measure Eastward along the celestial equator of any celestial body from the vernal equinox to the point where the circle which passes through the object perpendicular to the celestial equator intersects the latter.
**Rain** . . . drops large enough to splatter on the old man's bald head.
**Roman Indiction** . . . used in reckoning ecclesiastical calendars.
**Snow** . . . when a cat's tracks are visible on the barn roof.
**Solar Cycle** . . . used in reckoning civil calendars.
**Solstice, Summer** . . . point at which the Sun is farthest north of the celestial equator, passing overhead on the Tropic of Cancer. Beginning of Summer.
**Solstice, Winter** . . . limit of Sun's journey south of the celestial equator, passing overhead on the Tropics of Capricorn. Beginning of Winter.
**Star, Evening** . . . above horizon at Sunset.
**Star, Morning** . . . above horizon at Sunrise.
**Stat. — stationary** . . . when the apparent movement of a Planet against the background of Stars stops — just before same comes to opposition.
**Sunrise and Sunset** . . . visible rising and setting of Sun's upper limb across the unobstructed horizon of an observer whose eyes are 15 feet above ground level.
**Sun Fast** . . . the times given in this column must be subtracted from your Sun Dial to arrive at the correct time.
**Sup. — Superior** . . . Superior Conjunction is when the Sun is between the Planet and the Earth.
**Twilight** . . . begins or ends when stars of the sixth magnitude disappear or appear at the Zenith — or the Sun is appr. 18 degrees below the horizon.
**Underground Moon** . . . one which changes its phases between 12 M. and 1 A.M.

(Continued from page 107)

15. Piano-s of-x w-ear 0 boot a thin ma-hog(on)E coat. (Pianos often wear nothing but a thin mahogany coat.)
16. Man-y hay-pie gnu y-ears toe ewe awl. (Many happy new years to you all.)
17. The bellows o-fan ox can knot b men-dead. (The bellows of an ox cannot be mended.)
18. Death two D's-pot-s & tie-R-ant-s. (Death to Despots and Tyrants!)
19. Thanksgiving Rebus—2-r-keys loo-cow-t 4 ewer cell-vv. (Turkeys, look out for yourselves!)
20. Sum r buss-y hus-king corn only 2 fin-d red ears. (Some are busy husking corn, only to find red ears.)
21. Cat-s r mower dome-stick tea-hay-n dog-s general-eye r. (Cats are more domestic than dogs generally are.)
22. Gun barrel-s shoe-id B well bee-urn-i-shed. (Gun barrels should be well burnished.)


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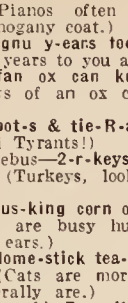


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Second—$15.00—Bessie Parsons, 1 Harbor View Ct., Gloucester, Mass.

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The cypher "5-78910" referred to the Baker's Chocolate advertisement, page 5, lnes, 7, 8, 9, 10.

For this year, the money goes (1st, $25.00 —2nd, $15.00—3rd, $5.00) for the best one line rhyme to the solution of Cypher 38-1,2,3,4,5. Contest closes June 1, 1957. No entries returned . . . all become property of Yankee, Inc. Case of tie place money lumped and divided, Staff of YANKEE final judge. Winners announced 1958 OFA. Address Cypher Contest, Yankee, Inc., Dublin, N. H.


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# INDEX


Agricultural Extension Stations..... 97
Anecdotes.....76, 77
Answers.....107, 110
Aphelion, earth in..... 6
Aspects.....13–37

Balloons, early..... 73
Bee stings..... 71

Calendar, 1956..... 11
1957.....11, 13–37
1958..... 11
Challenges of 1957..... 71
Cycle, Reproductive..... 93

Dates, historical..... 15–37
Days, Length of.....14–36

Eclipses, Moon and Sun..... 6
Explanations.....13, 101, 108

Farmer's Calendars..... .....15–37
Fast and Feast Days.....13–37
Fishing, Calendar, Laws.....11, 39, 83–90
Frosts..... 39

Game Laws.....84–90
Gestation Periods..... 93
Glossary..... 108

Heat, animals in..... 93
Holidays, Church, State, Week-end.....5, 13–37
Holy Days.....13–37
Household Hints..... 69

I.G.Y. Year..... 4

Latitudes, Longitudes..... 104

Measures, table of..... 94
Mercury, Transit of..... 6
Moon.....6, 14–36, 40, 100
Motor Vehicle Laws..... 81
Mushrooms.....41, 45

Occultations..... 8

Patrons, Note to..... 2
Perihelion, earth in..... 6
Planets, rise and set.....6, 10
Planting tables.....76, 77
Photographs..... A-H
Pleasantries.....76, 77
Poetry.....1, 15–37, 76, 92
Postal Rates, Air and Foreign..... 95

Rebuses, Ill.....48, 65
Recipes.....45, 89
Reproductive Cycle..... 93

Satellite..... 4
Seasons..... 6
Signs, Man of..... ..11
Stars, Morning and Evening ..... 49
Sun: Rise, set, declination, set sun-dials by (fast and slow).....6, 14–36

Tides, High, Low.....14–36
Height of.....15–37, 103
Twilight, Length of..... 102

Weather.....4, 9, 13–37, 71, 76, 100
Woodcuts.....1, 13–37, 76, 77, 83–89

Zodiac, signs.....13–37


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And mine and my,
And how "I" do or did.

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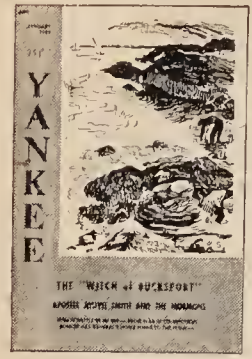


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## 1935-1957

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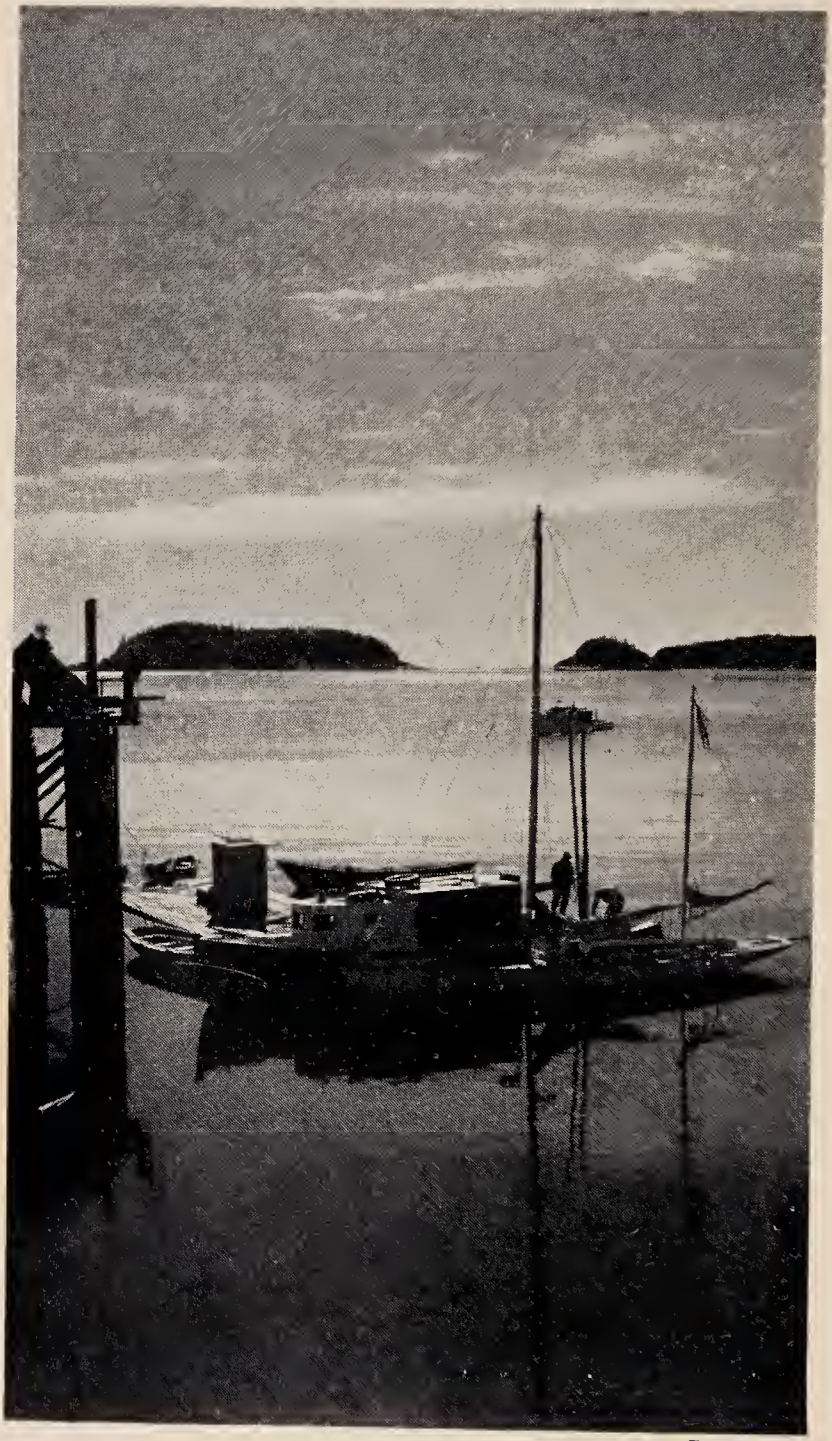
*R. Estes*

FISHING CAT

In the records of this almanac there are several instances of cats which, among their other capabilities, include that of being fairly good fishermen. Some are known to have ventured into the sea, brooks, and ponds for their catch. This one, at Essex, Massachusetts, seems to be one of record for our time.



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*Geo. French*

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